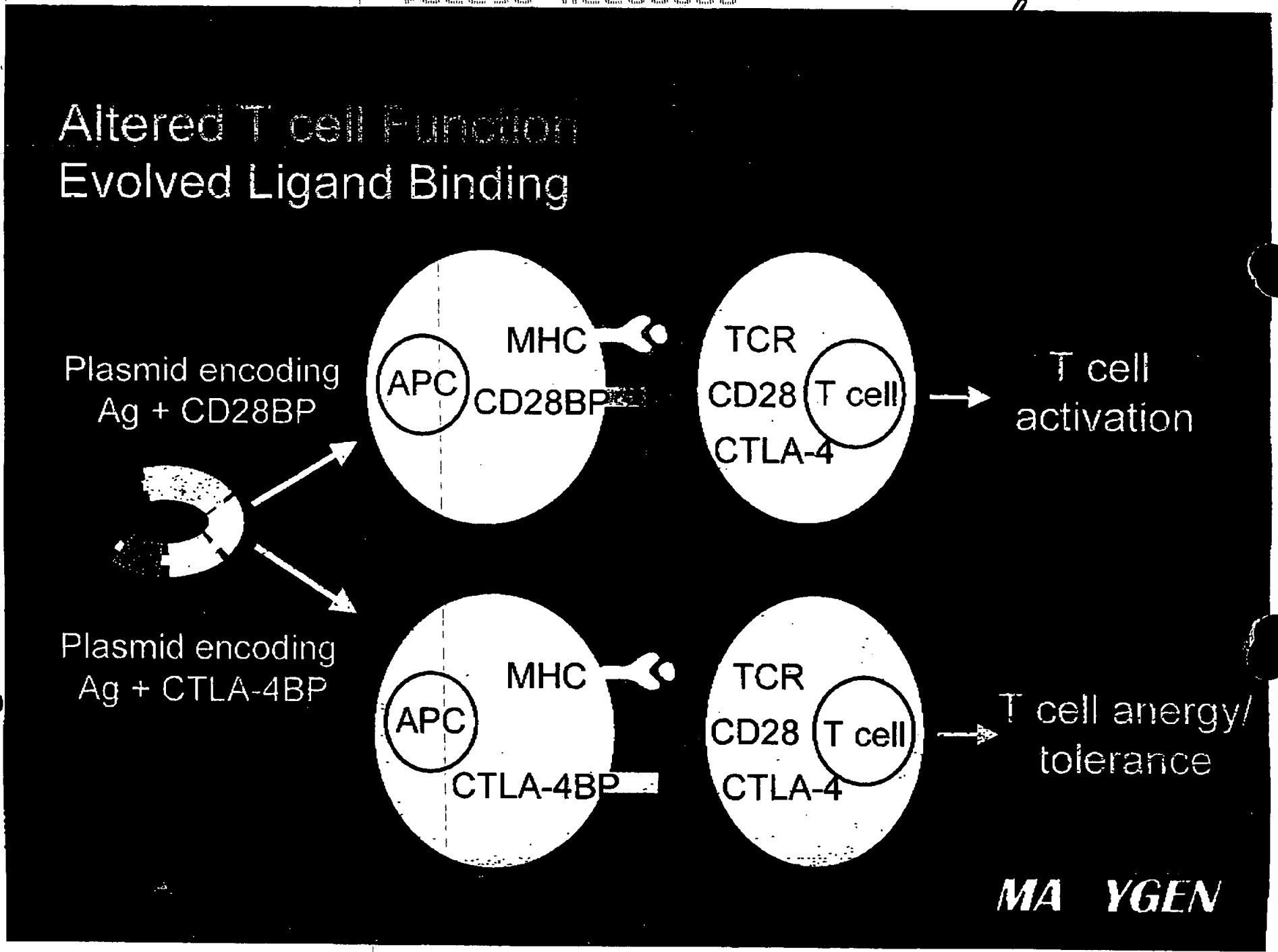
Figure 1



BEST AVAILABLE COPY

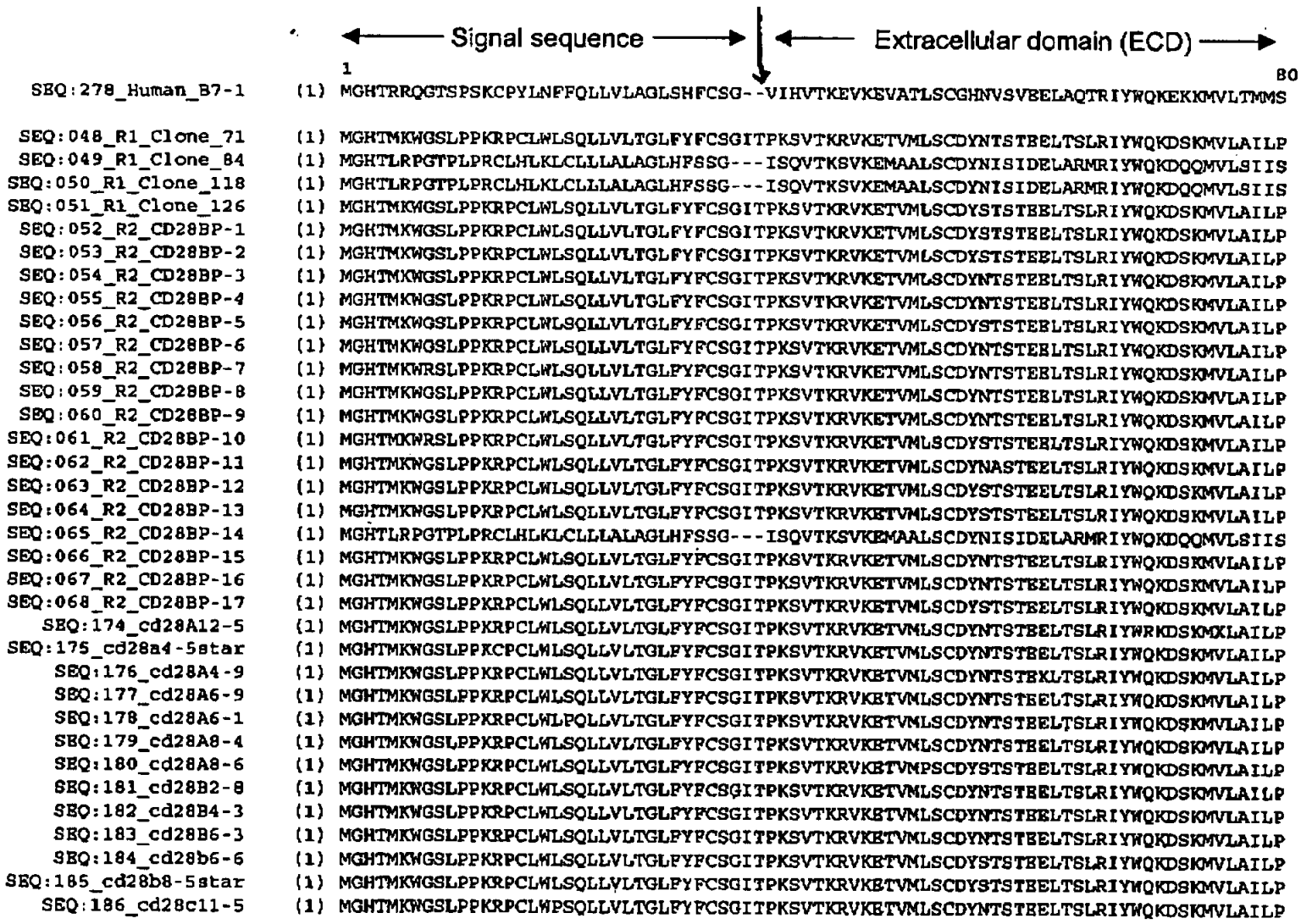

Signal sequence
Extracellular domain (ECD)
1
80
SEQ:278_Human_B7-1 (1) MGHTRRQGTSPSKCPYLNFFQLLVLAGLSHFCSG--VIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMS
SEQ:048_R1_Clone_71 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:049_R1_Clone_84 (1) MGHTLRPGTPLPRCLHLKLCLLLALAGLHFSSG---ISQVTKSVKEMAALSCDYNISIDELARMRIYWQKDQQMVLSIIS
SEQ:050_R1_Clone_118 (1) MGHTLRPGTPLPRCLHLKLCLLLALAGLHFSSG---ISQVTKSVKEMAALSCDYNISIDELARMRIYWQKDQQMVLSIIS
SEQ:051_R1_Clone_126 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:052_R2_CD28BP-1 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:053_R2_CD28BP-2 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:054_R2_CD28BP-3 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:055_R2_CD28BP-4 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:056_R2_CD28BP-5 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:057_R2_CD28BP-6 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:058_R2_CD28BP-7 (1) MGHTMKWRSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:059_R2_CD28BP-8 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:060_R2_CD28BP-9 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:061_R2_CD28BP-10 (1) MGHTMKWRSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:062_R2_CD28BP-11 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNASTEELTSLRIYWQKDSKMVLAILP
SEQ:063_R2_CD28BP-12 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:064_R2_CD28BP-13 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:065_R2_CD28BP-14 (1) MGHTLRPGTPLPRCLHLKLCLLLALAGLHFSSG---ISQVTKSVKEMAALSCDYNISIDELARMRIYWQKDQQMVLSIIS
SEQ:066_R2_CD28BP-15 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:067_R2_CD28BP-16 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:068_R2_CD28BP-17 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:174_cd28A12-5 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWRKDSKMXLAILP
SEQ:175_cd28a4-5star (1) MGHTMKWGSLPPKCPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:176_cd28A4-9 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEXLTSLRIYWQKDSKMVLAILP
SEQ:177_cd28A6-9 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:178_cd28A6-1 (1) MGHTMKWGSLPPKRPCLWLPQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:179_cd28A8-4 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:180_cd28A8-6 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMPSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:181_cd28B2-8 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:182_cd28B4-3 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:183_cd28B6-3 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:184_cd28b6-6 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:185_cd28b8-5star (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:186_cd28c11-5 (1) MGHTMKWGSLPPKRPCLWPSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP

Fig. 2A

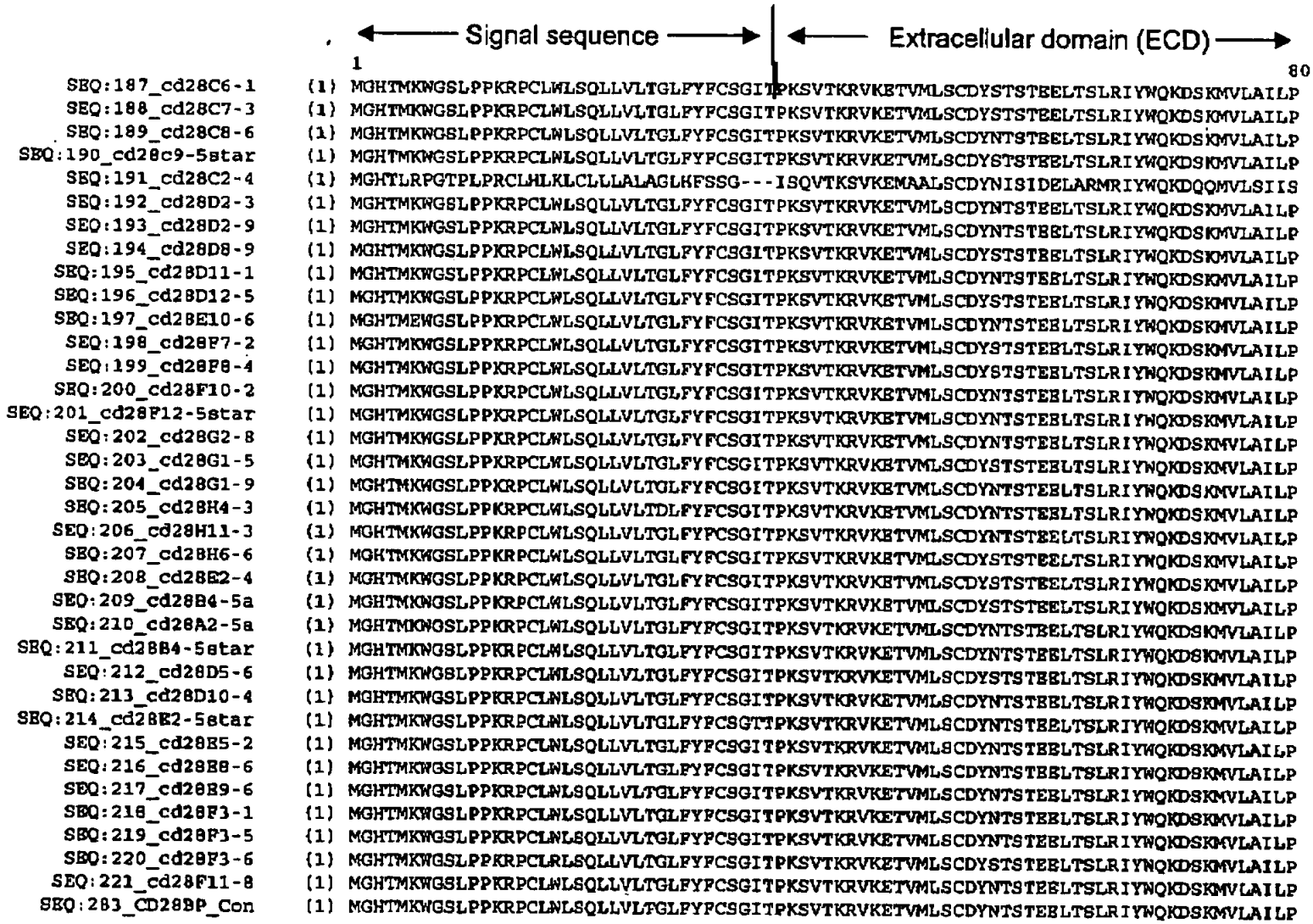

Signal sequence
Extracellular domain (ECD)
1
80
SEQ:187_cd28C6-1 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:188_cd28C7-3 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:189_cd28C8-6 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:190_cd28c9-5star (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:191_cd28C2-4 (1) MGHTLRPGTPLPRCLHLKLCLLLALAGLHFSSG---ISQVTKSVKEMAALSCDYNISIDELARMRIYWQKDQQMVLSIIS
SEQ:192_cd28D2-3 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:193_cd28D2-9 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:194_cd28D8-9 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:195_cd28D11-1 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:196_cd28D12-5 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:197_cd28E10-6 (1) MGHTMEWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:198_cd28F7-2 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:199_cd28F8-4 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:200_cd28F10-2 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:201_cd28F12-5star (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:202_cd28G2-8 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:203_cd28G1-5 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:204_cd28G1-9 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:205_cd28H4-3 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTDLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:206_cd28H11-3 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:207_cd28H6-6 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:208_cd28E2-4 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:209_cd28B4-5a (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:210_cd28A2-5a (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:211_cd28B4-5star (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:212_cd28D5-6 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:213_cd28D10-4 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:214_cd28E2-5star (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:215_cd28E5-2 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:216_cd28E8-6 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:217_cd28E9-6 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:218_cd28F3-1 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:219_cd28F3-5 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:220_cd28F3-6 (1) MGHTMKWGSLPPKRPCLRLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYSTSTEELTSLRIYWQKDSKMVLAILP
SEQ:221_cd28F11-8 (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP
SEQ:283_CD28BP_Con (1) MGHTMKWGSLPPKRPCLWLSQLLVLTGLFYFCSGITPKSVTKRVKETVMLSCDYNTSTEELTSLRIYWQKDSKMVLAILP

Fig. 2B

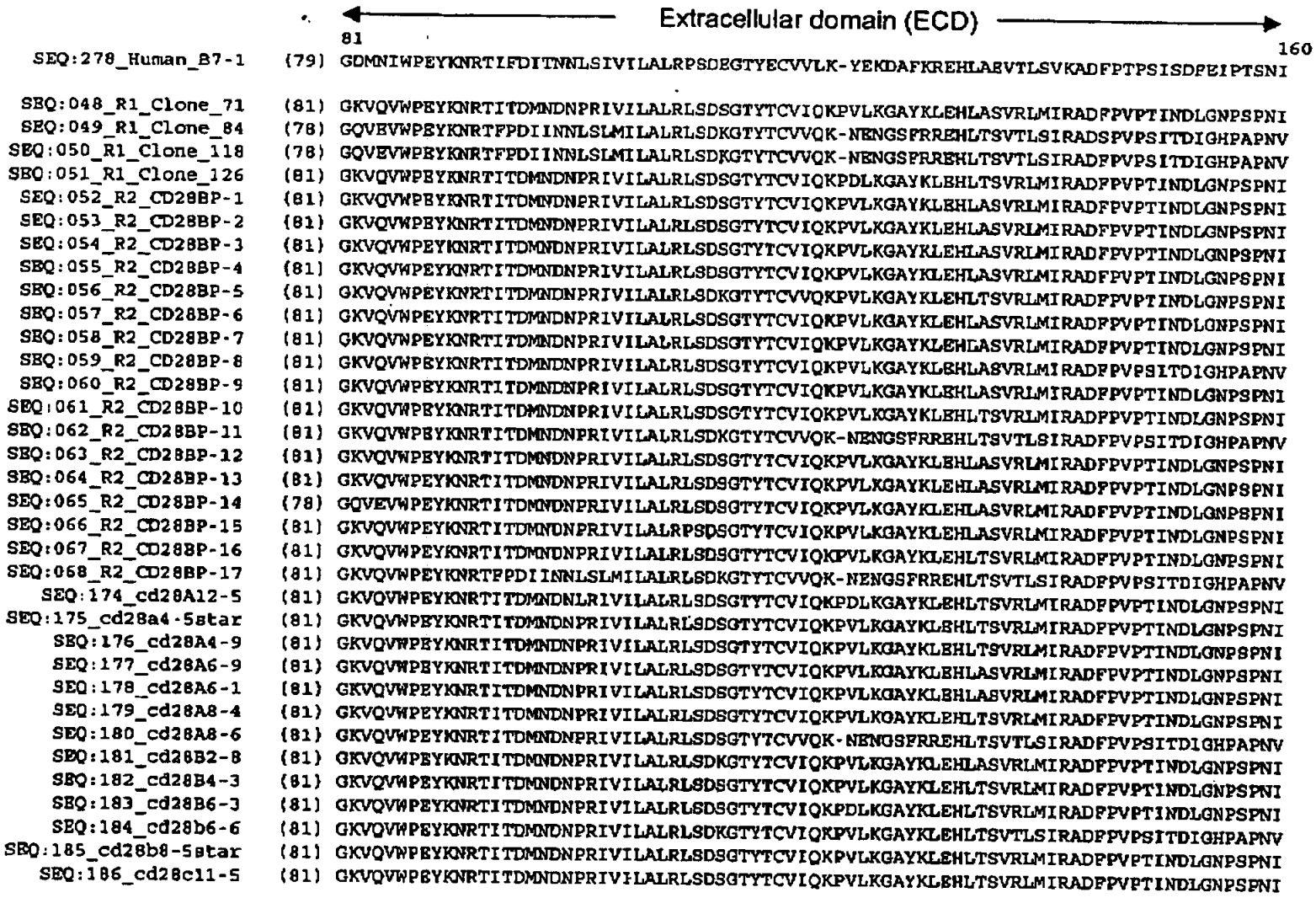

Extracellular domain (ECD)
81
160
SEQ:278_Human_B7-1 (79) GDMNIWPEYKNRTIFDITNNLSIVILALRPSDEGTYECVVLK-YEKDAFKREHLAEVTLSVKADFPTPSISDFEIPTSNI
SEQ:048_R1_Clone_71 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:049_R1_Clone_84 (78) GQVEVWPEYKNRTFPDIINNLSLMILALRLSDKGTYTCVVQK-NENGSFRREHLTSVTLSIRADSPVPSITDIGHPAPNV
SEQ:050_R1_Clone_118 (78) GQVEVWPEYKNRTFPDIINNLSLMILALRLSDKGTYTCVVQK-NENGSFRREHLTSVTLSIRADFPVPSITDIGHPAPNV
SEQ:051_R1_Clone_126 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:052_R2_CD28BP-1 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:053_R2_CD28BP-2 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:054_R2_CD28BP-3 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:055_R2_CD28BP-4 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:056_R2_CD28BP-5 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDKGTYTCVVQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:057_R2_CD28BP-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:058_R2_CD28BP-7 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:059_R2_CD28BP-8 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPSITDIGHPAPNV
SEQ:060_R2_CD28BP-9 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:061_R2_CD28BP-10 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:062_R2_CD28BP-11 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDKGTYTCVVQK-NENGSFRREHLTSVTLSIRADFPVPSITDIGHPAPNV
SEQ:063_R2_CD28BP-12 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:064_R2_CD28BP-13 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:065_R2_CD28BP-14 (78) GQVEVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:066_R2_CD28BP-15 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRPSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:067_R2_CD28BP-16 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:068_R2_CD28BP-17 (81) GKVQVWPEYKNRTFPDIINNLSLMILALRLSDKGTYTCVVQK-NENGSFRREHLTSVTLSIRADFPVPSITDIGHPAPNV
SEQ:174_cd28A12-5 (81) GKVQVWPEYKNRTITDMNDNLRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:175_cd28a4-5star (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:176_cd28A4-9 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:177_cd28A6-9 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:178_cd28A6-1 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:179_cd28A8-4 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:180_cd28A8-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVVQK-NENGSFRREHLTSVTLSIRADFPVPSITDIGHPAPNV
SEQ:181_cd28B2-8 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDKGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:182_cd28B4-3 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:183_cd28B6-3 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:184_cd28b6-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDKGTYTCVIQKPVLKGAYKLEHLTSVTLSIRADFPVPSITDIGHPAPNV
SEQ:185_cd28b8-5star (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:186_cd28c11-5 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI

Fig. 2C

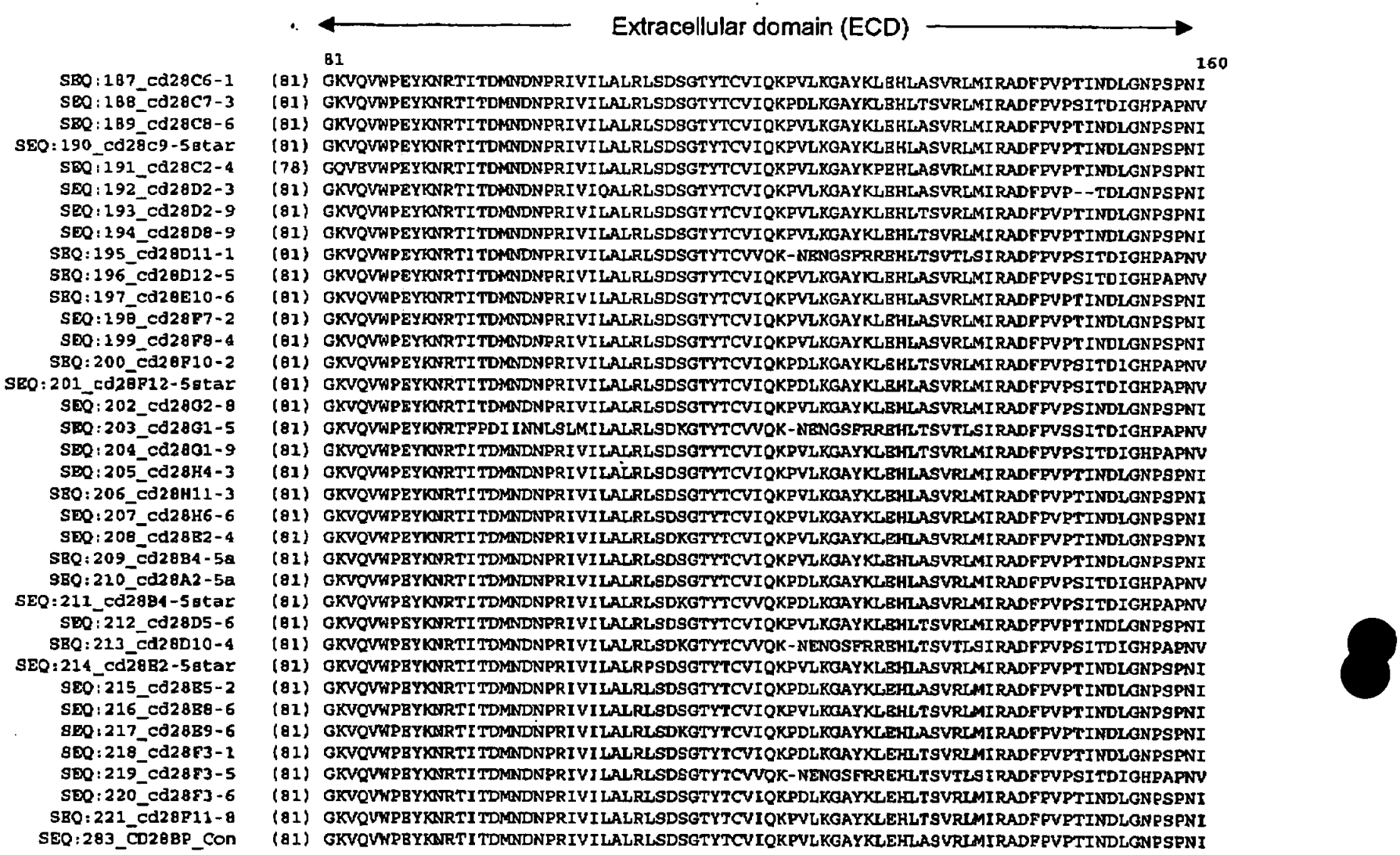

Extracellular domain (ECD)
81
160
SEQ:187_cd28C6-1 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:188_cd28C7-3 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLTSVRLMIRADFPVPSITDIGHPAPNV
SEQ:189_cd28C8-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:190_cd28c9-5star (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:191_cd28C2-4 (78) GQVEVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKPEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:192_cd28D2-3 (81) GKVQVWPEYKNRTITDMNDNPRIVIQALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVP--TDLGNPSPNI
SEQ:193_cd28D2-9 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:194_cd28D8-9 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:195_cd28D11-1 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVVQK-NENGSFRREHLTSVTLSIRADFPVPSITDIGHPAPNV
SEQ:196_cd28D12-5 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPSITDIGHPAPNV
SEQ:197_cd28E10-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:198_cd28F7-2 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:199_cd28F8-4 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:200_cd28F10-2 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLTSVRLMIRADFPVPSITDIGHPAPNV
SEQ:201_cd28F12-5star (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLASVRLMIRADFPVPSITDIGHPAPNV
SEQ:202_cd28G2-8 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPSINDLGNPSPNI
SEQ:203_cd28G1-5 (81) GKVQVWPEYKNRTFPDIINNLSLMILALRLSDKGTYTCVVQK-NENGSFRREHLTSVTLSIRADFPVSSITDIGHPAPNV
SEQ:204_cd28G1-9 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPSITDIGHPAPNV
SEQ:205_cd28H4-3 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:206_cd28H11-3 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:207_cd28H6-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:208_cd28E2-4 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDKGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:209_cd28B4-5a (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:210_cd28A2-5a (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLASVRLMIRADFPVPSITDIGHPAPNV
SEQ:211_cd28B4-5star (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDKGTYTCVVQKPDLKGAYKLEHLASVRLMIRADFPVPSITDIGHPAPNV
SEQ:212_cd28D5-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:213_cd28D10-4 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDKGTYTCVVQK-NENGSFRREHLTSVTLSIRADFPVPSITDIGHPAPNV
SEQ:214_cd28E2-5star (81) GKVQVWPEYKNRTITDMNDNPRIVILALRPSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:215_cd28E5-2 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:216_cd28E8-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:217_cd28E9-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDKGTYTCVIQKPDLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI
SEQ:218_cd28F3-1 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:219_cd28F3-5 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVVQK-NENGSFRREHLTSVTLSIRADFPVPSITDIGHPAPNV
SEQ:220_cd28F3-6 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPDLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:221_cd28F11-8 (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLTSVRLMIRADFPVPTINDLGNPSPNI
SEQ:283_CD28BP_Con (81) GKVQVWPEYKNRTITDMNDNPRIVILALRLSDSGTYTCVIQKPVLKGAYKLEHLASVRLMIRADFPVPTINDLGNPSPNI

Fig. 2D

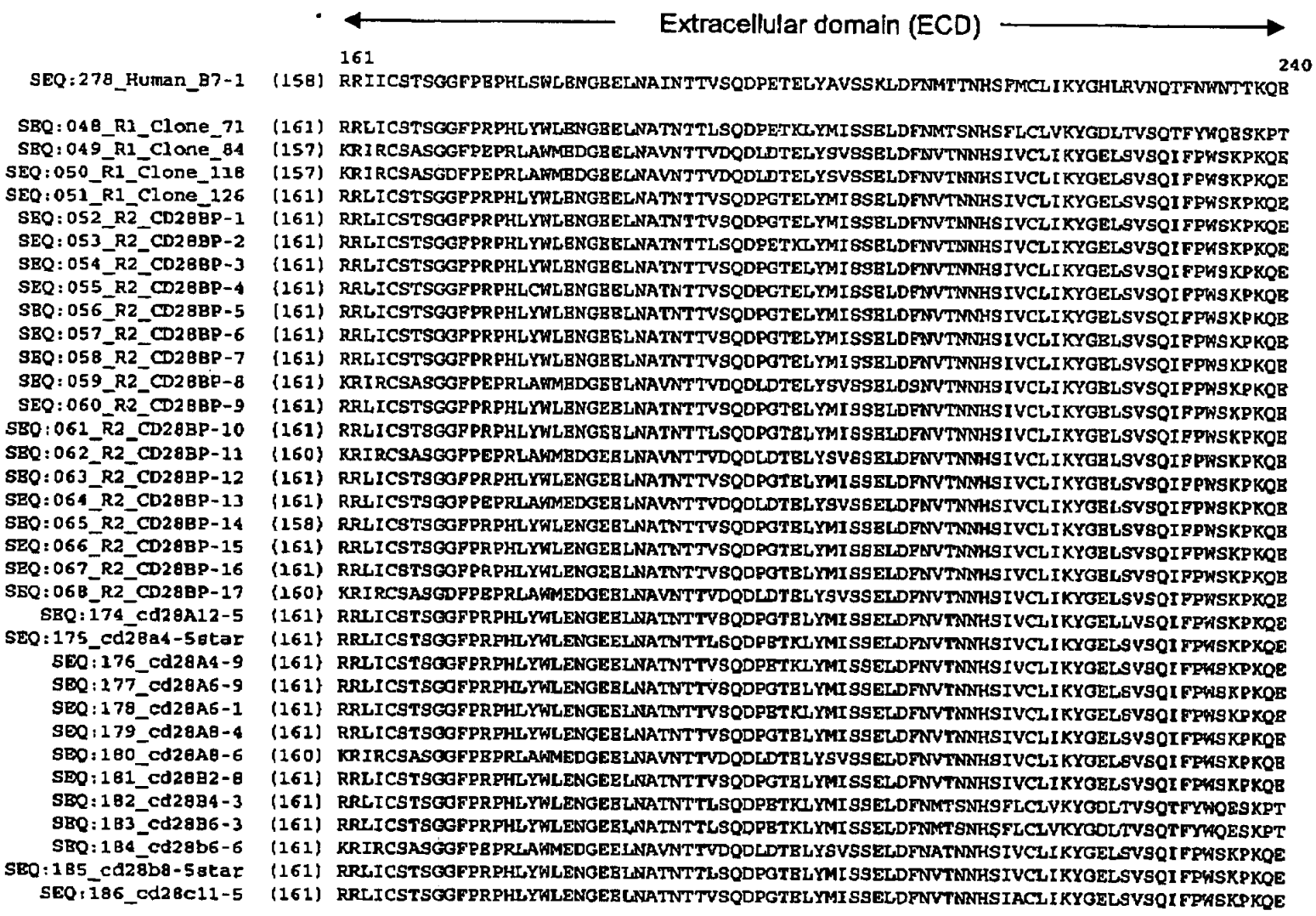

Extracellular domain (ECD)
161
240
SEQ:278_Human_B7-1 (158) RRIICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYAVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTTKQE
SEQ:048_R1_Clone_71 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNMTSNHSFLCLVKYGDLTVSQTFYWQESKPT
SEQ:049_R1_Clone_84 (157) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:050_R1_Clone_118 (157) KRIRCSASGDFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:051_R1_Clone_126 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:052_R2_CD28BP-1 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:053_R2_CD28BP-2 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:054_R2_CD28BP-3 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:055_R2_CD28BP-4 (161) RRLICSTSGGFPRPHLCWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:056_R2_CD28BP-5 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:057_R2_CD28BP-6 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:058_R2_CD28BP-7 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:059_R2_CD28BP-8 (161) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDSNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:060_R2_CD28BP-9 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:061_R2_CD28BP-10 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:062_R2_CD28BP-11 (160) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:063_R2_CD28BP-12 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:064_R2_CD28BP-13 (161) RRLICSTSGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:065_R2_CD28BP-14 (158) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:066_R2_CD28BP-15 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:067_R2_CD28BP-16 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:068_R2_CD28BP-17 (160) KRIRCSASGDFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:174_cd28A12-5 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:175_cd28a4-5star (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNVTNNHSIVCLIKYGELLVSQIFPWSKPKQE
SEQ:176_cd28A4-9 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPETKLYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:177_cd28A6-9 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:178_cd28A6-1 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPETKLYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:179_cd28A8-4 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:180_cd28A8-6 (160) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:181_cd28B2-8 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:182_cd28B4-3 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNMTSNHSFLCLVKYGDLTVSQTFYWQESKPT
SEQ:183_cd28B6-3 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNMTSNHSFLCLVKYGDLTVSQTFYWQESKPT
SEQ:184_cd28b6-6 (161) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNATNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:185_cd28b8-5star (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:186_cd28c11-5 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIACLIKYGELSVSQIFPWSKPKQE

Fig. 2E

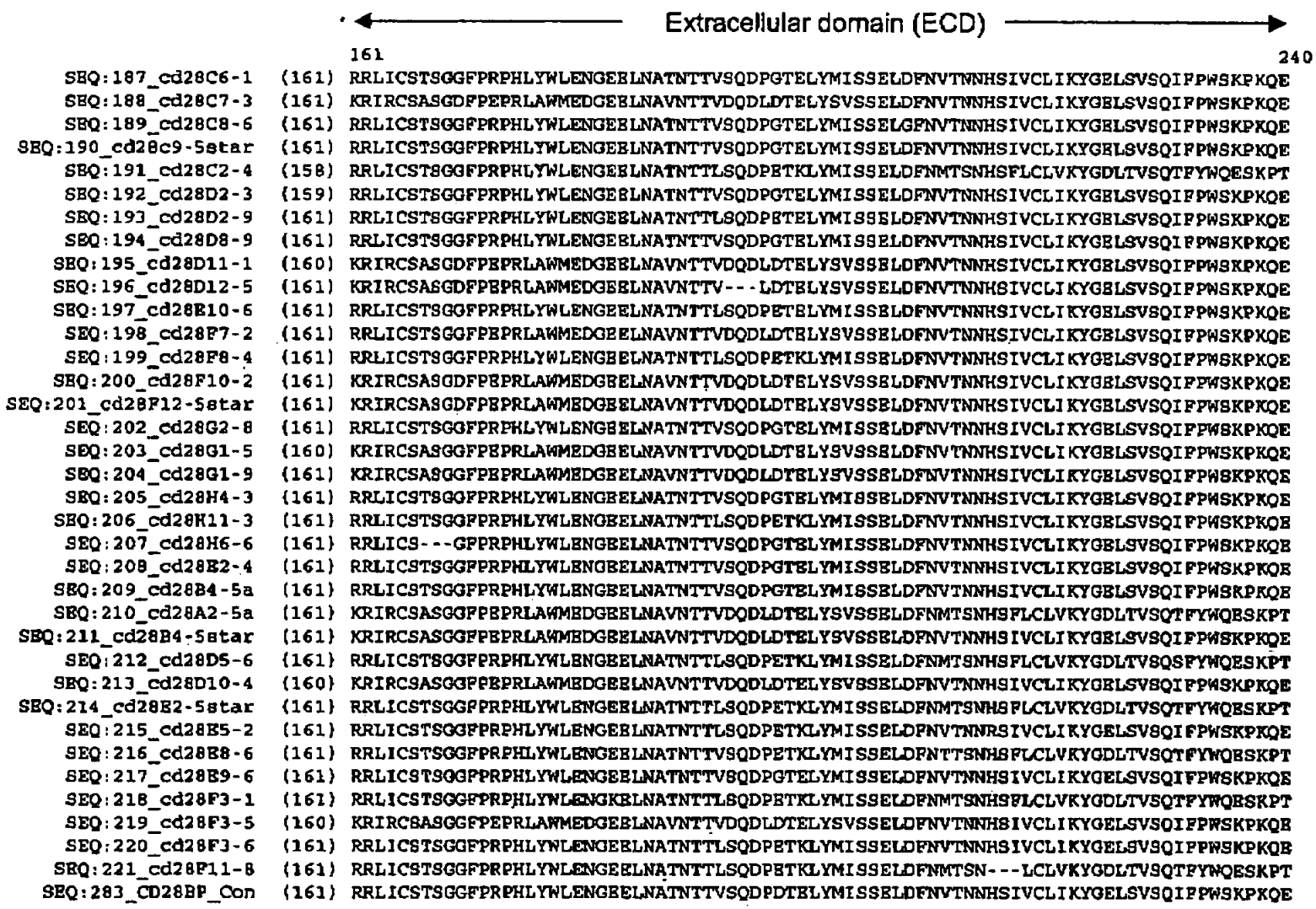

Extracellular domain (ECD)
161
240
SEQ:187_cd28C6-1 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:188_cd28C7-3 (161) KRIRCSASGDFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:189_cd28C8-6 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELGFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:190_cd28c9-5star (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:191_cd28C2-4 (158) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNMTSNHSFLCLVKYGDLTVSQTFYWQESKPT
SEQ:192_cd28D2-3 (159) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:193_cd28D2-9 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:194_cd28D8-9 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:195_cd28D11-1 (160) KRIRCSASGDFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:196_cd28D12-5 (161) KRIRCSASGDFPEPRLAWMEDGEELNAVNTTV---LDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:197_cd28E10-6 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:198_cd28F7-2 (161) RRLICSTSGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:199_cd28F8-4 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:200_cd28F10-2 (161) KRIRCSASGDFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:201_cd28F12-5star (161) KRIRCSASGDFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNKSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:202_cd28G2-8 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:203_cd28G1-5 (160) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:204_cd28G1-9 (161) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:205_cd28H4-3 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:206_cd28H11-3 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:207_cd28H6-6 (161) RRLICS---GPPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:208_cd28E2-4 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:209_cd28B4-5a (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:210_cd28A2-5a (161) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNMTSNHSFLCLVKYGDLTVSQTFYWQESKPT
SEQ:211_cd28B4-5star (161) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:212_cd28D5-6 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNMTSNHSFLCLVKYGDLTVSQSFYWQESKPT
SEQ:213_cd28D10-4 (160) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:214_cd28E2-5star (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNMTSNHSFLCLVKYGDLTVSQTFYWQESKPT
SEQ:215_cd28E5-2 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNVTNNRSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:216_cd28E8-6 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPETKLYMISSELDFNTTSNHSFLCLVKYGDLTVSQTFYWQESKPT
SEQ:217_cd28E9-6 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPGTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:218_cd28F3-1 (161) RRLICSTSGGFPRPHLYWLENGKELNATNTTLSQDPETKLYMISSELDFNMTSNHSFLCLVKYGDLTVSQTFYWQESKPT
SEQ:219_cd28F3-5 (160) KRIRCSASGGFPEPRLAWMEDGEELNAVNTTVDQDLDTELYSVSSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:220_cd28F3-6 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE
SEQ:221_cd28F11-8 (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTLSQDPETKLYMISSELDFNMTSN---LCLVKYGDLTVSQTFYWQESKPT
SEQ:283_CD28BP_Con (161) RRLICSTSGGFPRPHLYWLENGEELNATNTTVSQDPDTELYMISSELDFNVTNNHSIVCLIKYGELSVSQIFPWSKPKQE

Fig. 2F

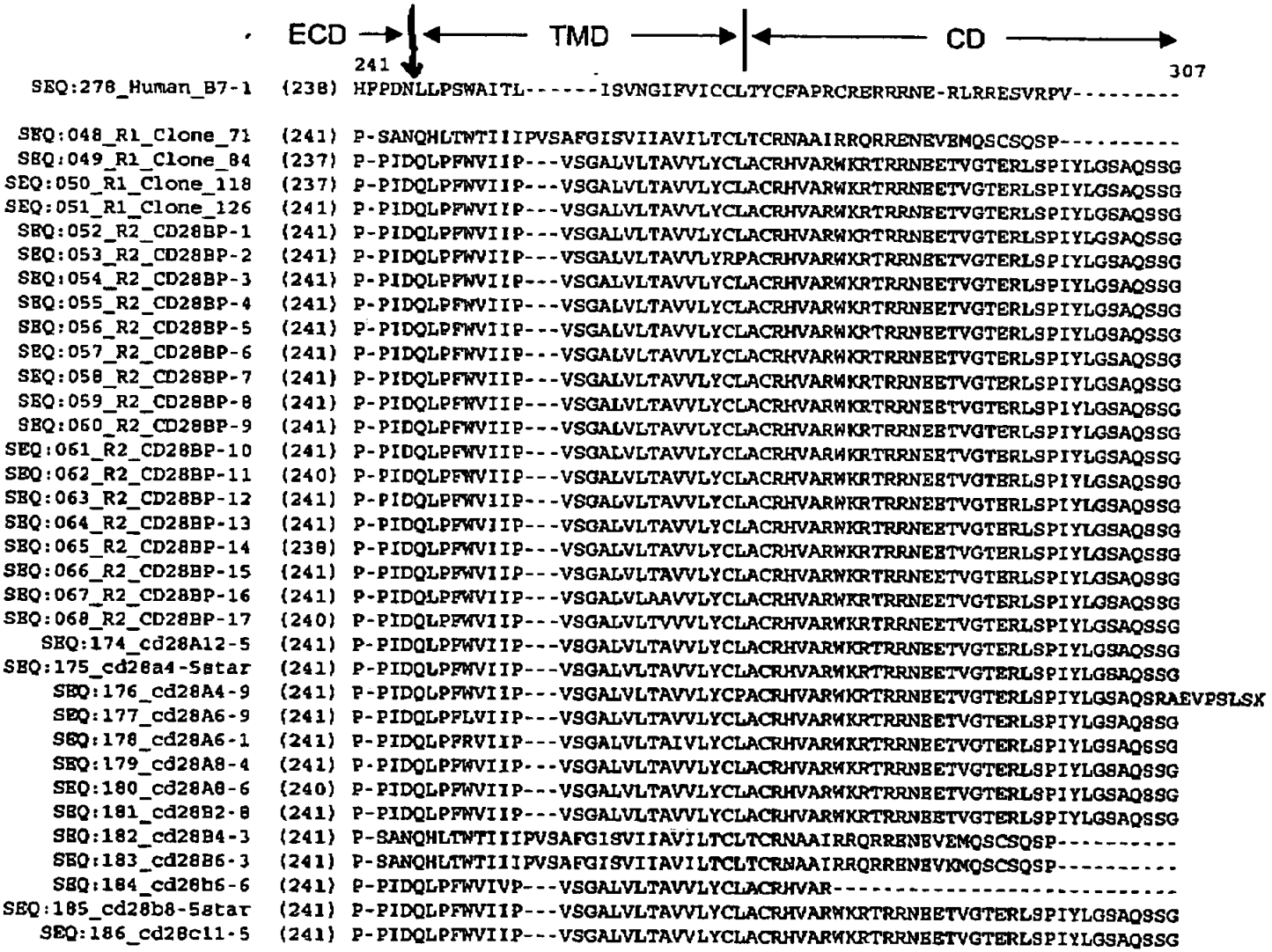

ECD
TMD
CD
241
307
SEQ:278_Human_B7-1 (238) HPPDNLLPSWAITL------ISVNGIFVICCLTYCFAPRCRERRRNE-RLRRESVRPV---------
SEQ:048_R1_Clone_71 (241) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVEMQSCSQSP----------
SEQ:049_R1_Clone_84 (237) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:050_R1_Clone_118 (237) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:051_R1_Clone_126 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:052_R2_CD28BP-1 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:053_R2_CD28BP-2 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYRPACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:054_R2_CD28BP-3 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:055_R2_CD28BP-4 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:056_R2_CD28BP-5 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:057_R2_CD28BP-6 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:058_R2_CD28BP-7 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:059_R2_CD28BP-8 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:060_R2_CD28BP-9 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:061_R2_CD28BP-10 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:062_R2_CD28BP-11 (240) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:063_R2_CD28BP-12 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:064_R2_CD28BP-13 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:065_R2_CD28BP-14 (238) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:066_R2_CD28BP-15 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:067_R2_CD28BP-16 (241) P-PIDQLPFWVIIP---VSGALVLAAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:068_R2_CD28BP-17 (240) P-PIDQLPFWVIIP---VSGALVLTVVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:174_cd28A12-5 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:175_cd28a4-5star (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:176_cd28A4-9 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCPACRHVARWKRTRRNEETVGTERLSPIYLGSAQSRAEVPSLSX
SEQ:177_cd28A6-9 (241) P-PIDQLPFLVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:178_cd28A6-1 (241) P-PIDQLPFRVIIP---VSGALVLTAIVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:179_cd28A8-4 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:180_cd28A8-6 (240) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:181_cd28B2-8 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:182_cd28B4-3 (241) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVEMQSCSQSP----------
SEQ:183_cd28B6-3 (241) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVKMQSCSQSP----------
SEQ:184_cd28b6-6 (241) P-PIDQLPFWVIVP---VSGALVLTAVVLYCLACRHVAR----------
SEQ:185_cd28b8-5star (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:186_cd28c11-5 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG

Fig. 2G

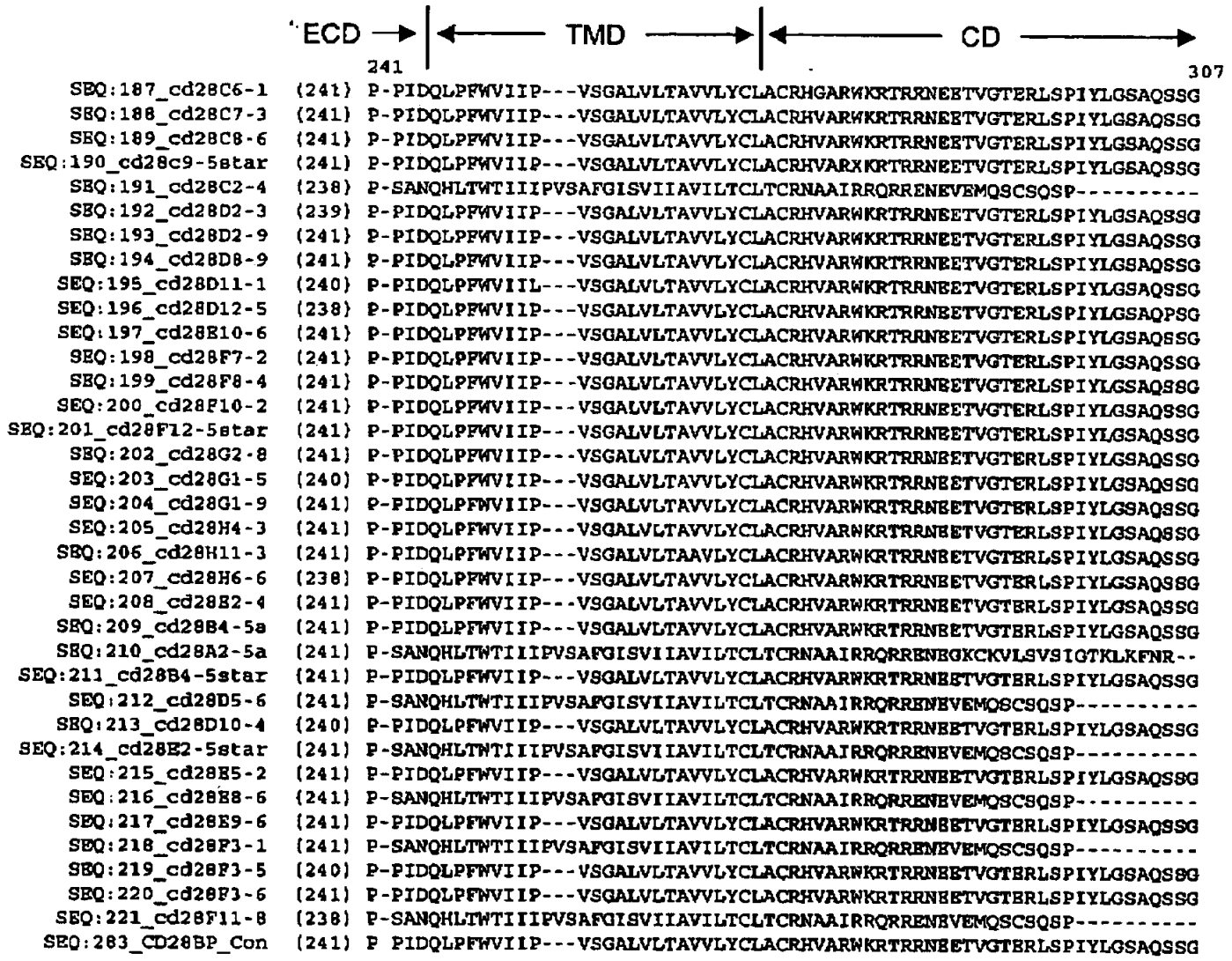

ECD
TMD
CD
241
307
SEQ:187_cd28C6-1 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHGARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:188_cd28C7-3 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:189_cd28C8-6 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:190_cd28c9-5star (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARXKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:191_cd28C2-4 (238) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVEMQSCSQSP----------
SEQ:192_cd28D2-3 (239) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:193_cd28D2-9 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:194_cd28D8-9 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:195_cd28D11-1 (240) P-PIDQLPFWVIIL---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:196_cd28D12-5 (238) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQPSG
SEQ:197_cd28E10-6 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:198_cd28F7-2 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:199_cd28F8-4 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:200_cd28F10-2 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:201_cd28F12-5star (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:202_cd28G2-8 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:203_cd28G1-5 (240) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:204_cd28G1-9 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:205_cd28H4-3 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:206_cd28H11-3 (241) P-PIDQLPFWVIIP---VSGALVLTAAVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:207_cd28H6-6 (238) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:208_cd28E2-4 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:209_cd28B4-5a (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:210_cd28A2-5a (241) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEGKCKVLSVSIGTKLKFNR--
SEQ:211_cd28B4-5star (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:212_cd28D5-6 (241) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVEMQSCSQSP----------
SEQ:213_cd28D10-4 (240) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:214_cd28E2-5star (241) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVEMQSCSQSP----------
SEQ:215_cd28E5-2 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:216_cd28E8-6 (241) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVEMQSCSQSP----------
SEQ:217_cd28E9-6 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:218_cd28F3-1 (241) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVEMQSCSQSP----------
SEQ:219_cd28F3-5 (240) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:220_cd28F3-6 (241) P-PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG
SEQ:221_cd28F11-8 (238) P-SANQHLTWTIIIPVSAFGISVIIAVILTCLTCRNAAIRRQRRENEVEMQSCSQSP----------
SEQ:283_CD28BP_Con (241) P PIDQLPFWVIIP---VSGALVLTAVVLYCLACRHVARWKRTRRNEETVGTERLSPIYLGSAQSSG

Fig. 2H

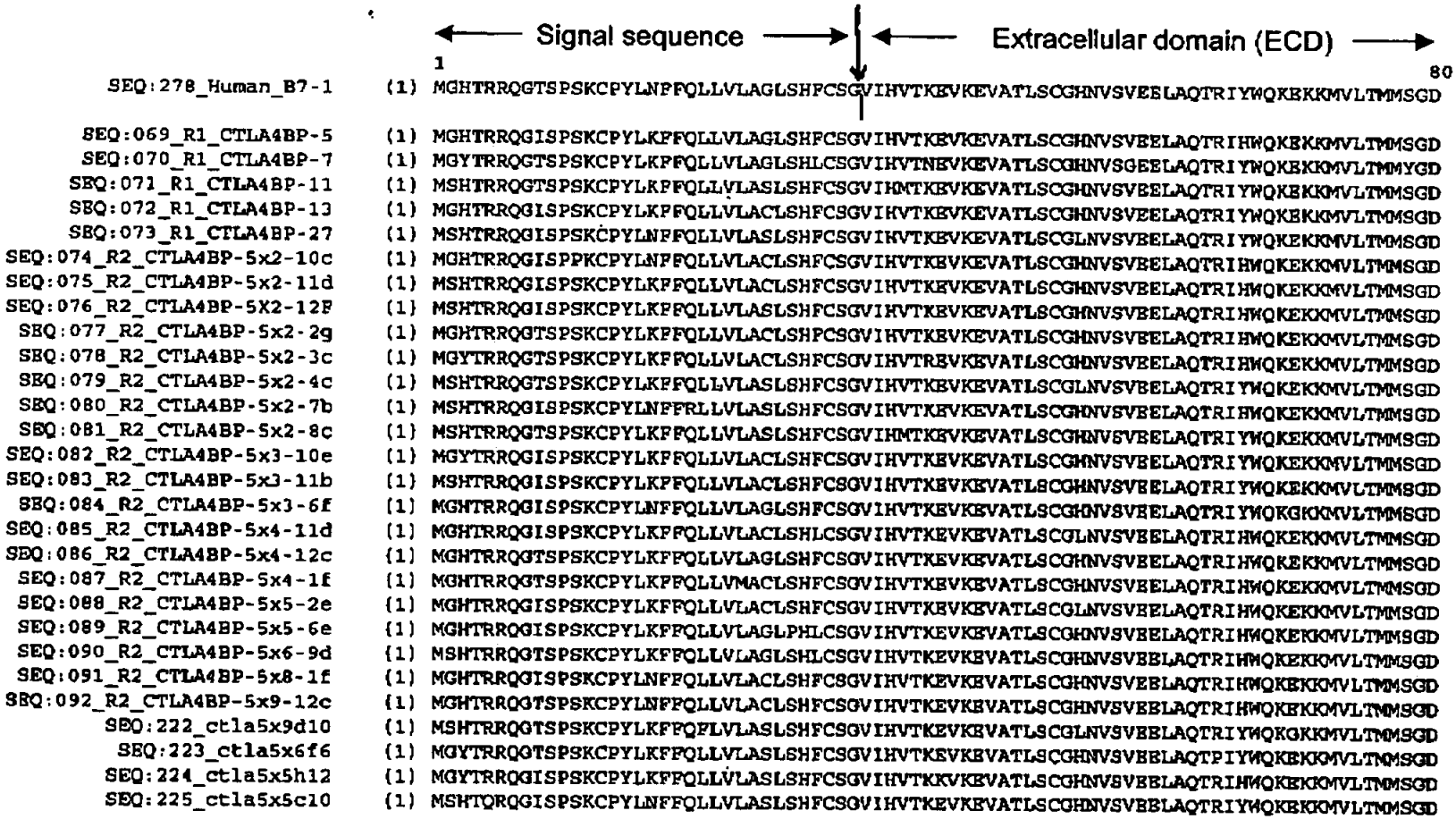

Signal sequence
Extracellular domain (ECD)
1
80
SEQ:278_Human_B7-1 (1) MGHTRRQGTSPSKCPYLNFFQLLVLAGLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGD
SEQ:069_R1_CTLA4BP-5 (1) MGHTRRQGISPSKCPYLKFFQLLVLAGLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:070_R1_CTLA4BP-7 (1) MGYTRRQGTSPSKCPYLKFFQLLVLAGLSHLCSGVIHVTNEVKEVATLSCGHNVSGEELAQTRIYWQKEKKMVLTMMYGD
SEQ:071_R1_CTLA4BP-11 (1) MSHTRRQGTSPSKCPYLKFFQLLVLASLSHFCSGVIHMTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGD
SEQ:072_R1_CTLA4BP-13 (1) MGHTRRQGISPSKCPYLKFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGD
SEQ:073_R1_CTLA4BP-27 (1) MSHTRRQGISPSKCPYLNFFQLLVLASLSHFCSGVIHVTKEVKEVATLSCGLNVSVEELAQTRIYWQKEKKMVLTMMSGD
SEQ:074_R2_CTLA4BP-5x2-10c (1) MGHTRRQGISPPKCPYLNFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:075_R2_CTLA4BP-5x2-11d (1) MSHTRRQGISPSKCPYLKFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:076_R2_CTLA4BP-5X2-12F (1) MSHTRRQGISPSKCPYLKFFQLLVLASLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:077_R2_CTLA4BP-5x2-2g (1) MGHTRRQGTSPSKCPYLKFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:078_R2_CTLA4BP-5x2-3c (1) MGYTRRQGTSPSKCPYLKFFQLLVLACLSHFCSGVIHVTREVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:079_R2_CTLA4BP-5x2-4c (1) MSHTRRQGTSPSKCPYLKFFQLLVLASLSHFCSGVIHVTKEVKEVATLSCGLNVSVEELAQTRIYWQKEKKMVLTMMSGD
SEQ:080_R2_CTLA4BP-5x2-7b (1) MSHTRRQGISPSKCPYLNFFRLLVLASLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:081_R2_CTLA4BP-5x2-8c (1) MSHTRRQGTSPSKCPYLKFFQLLVLASLSHFCSGVIHMTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGD
SEQ:082_R2_CTLA4BP-5x3-10e (1) MGYTRRQGISPSKCPYLKFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGD
SEQ:083_R2_CTLA4BP-5x3-11b (1) MSHTRRQGISPSKCPYLKFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGD
SEQ:084_R2_CTLA4BP-5x3-6f (1) MGHTRRQGISPSKCPYLNFFQLLVLAGLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKGKKMVLTMMSGD
SEQ:085_R2_CTLA4BP-5x4-11d (1) MGHTRRQGISPSKCPYLKFFQLLVLACLSHLCSGVIHVTKEVKEVATLSCGLNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:086_R2_CTLA4BP-5x4-12c (1) MGHTRRQGTSPSKCPYLKFFQLLVLAGLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:087_R2_CTLA4BP-5x4-1f (1) MGHTRRQGTSPSKCPYLKFFQLLVMACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:088_R2_CTLA4BP-5x5-2e (1) MGHTRRQGISPSKCPYLKFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGLNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:089_R2_CTLA4BP-5x5-6e (1) MGHTRRQGISPSKCPYLKFFQLLVLAGLPHLCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:090_R2_CTLA4BP-5x6-9d (1) MSHTRRQGTSPSKCPYLKFFQLLVLAGLSHLCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:091_R2_CTLA4BP-5x8-1f (1) MGHTRRQGISPSKCPYLNFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:092_R2_CTLA4BP-5x9-12c (1) MGHTRRQGTSPSKCPYLNFFQLLVLACLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:222_ctla5x9d10 (1) MSHTRRQGTSPSKCPYLKFFQFLVLASLSHFCSGVIHVTKEVKEVATLSCGLNVSVEELAQTRIYWQKGKKMVLTMMSGD
SEQ:223_ctla5x6f6 (1) MGYTRRQGTSPSKCPYLKFFQLLVLASLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTPIYWQKEKKMVLTMMSGD
SEQ:224_ctla5x5h12 (1) MGYTRRQGISPSKCPYLKFFQLLVLASLSHFCSGVIHVTKKVKEVATLSCGHNVSVEELAQTRIHWQKEKKMVLTMMSGD
SEQ:225_ctla5x5c10 (1) MSHTQRQGISPSKCPYLNFFQLLVLASLSHFCSGVIHVTKEVKEVATLSCGHNVSVEELAQTRIYWQKEKKMVLTMMSGD

Fig. 3A

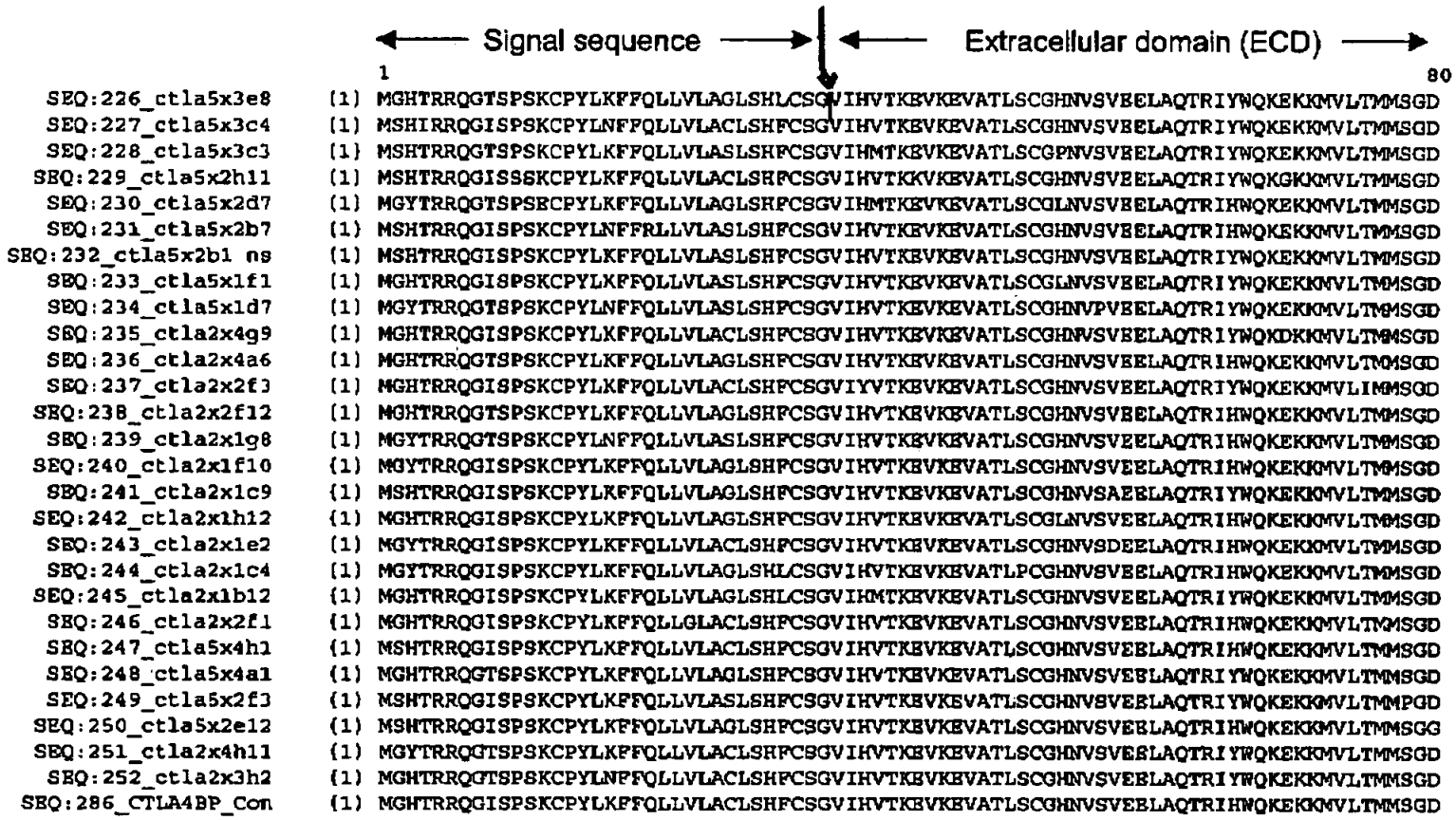


Fig. 3B

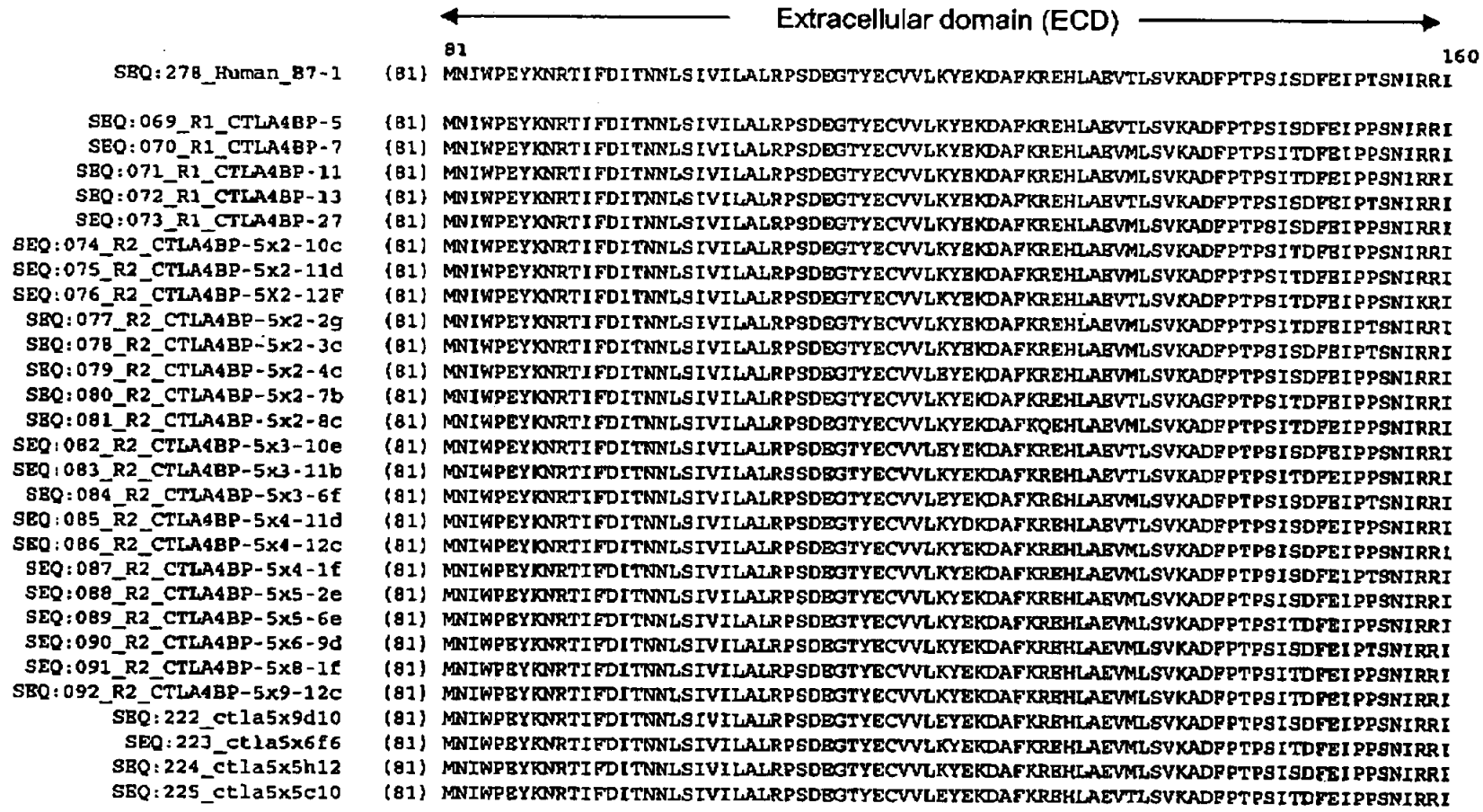


Fig. 3C

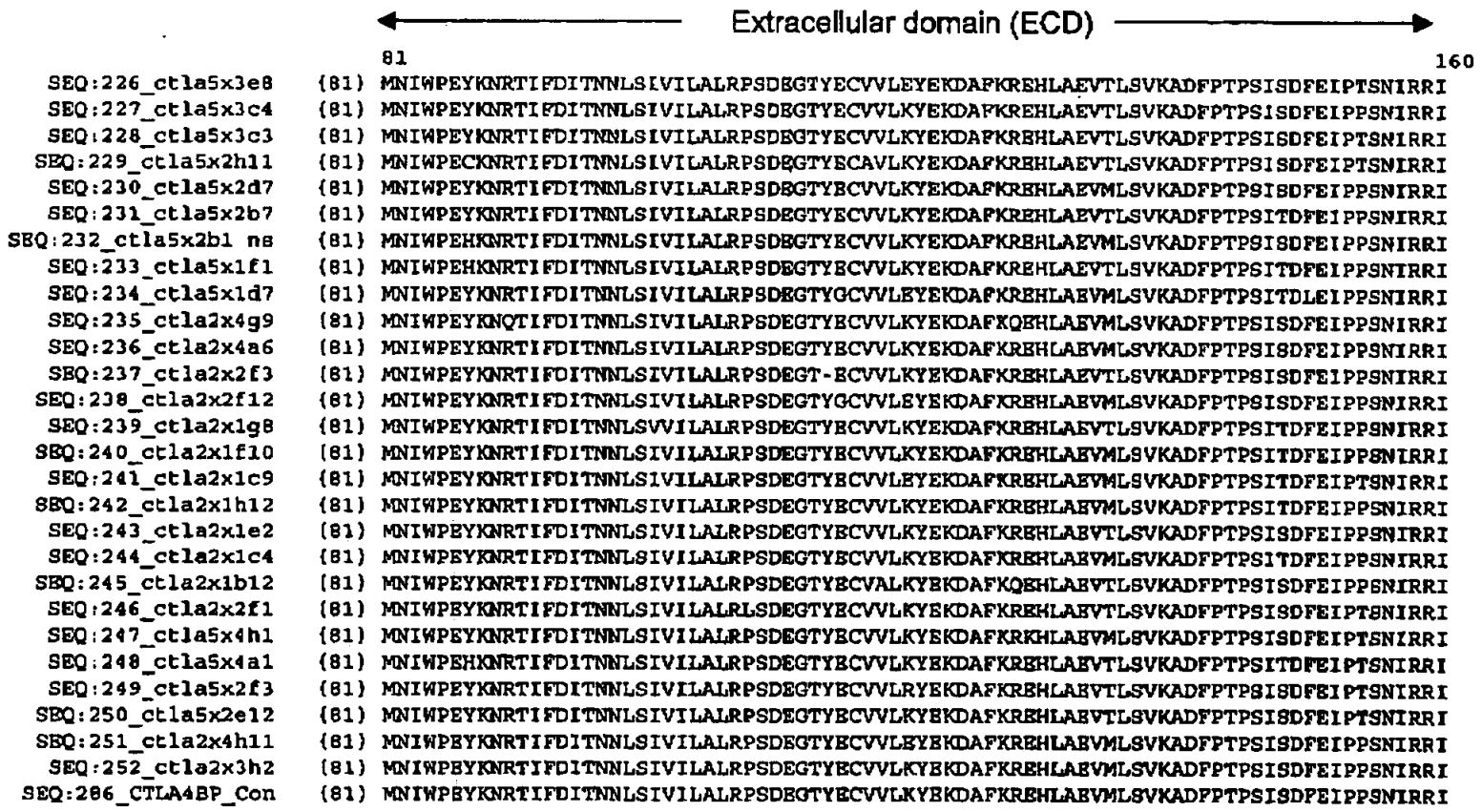


Fig. 3D

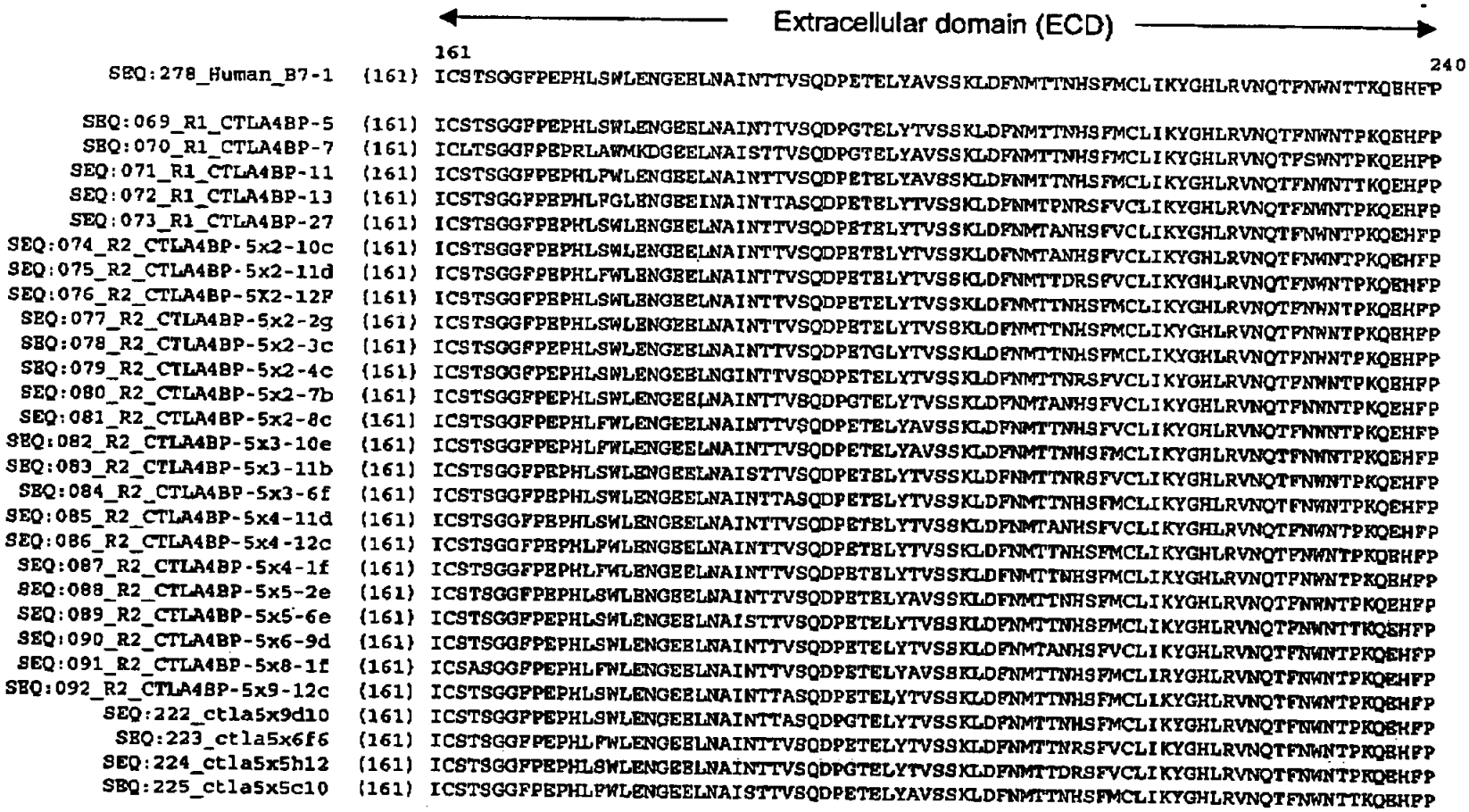


Fig. 3E

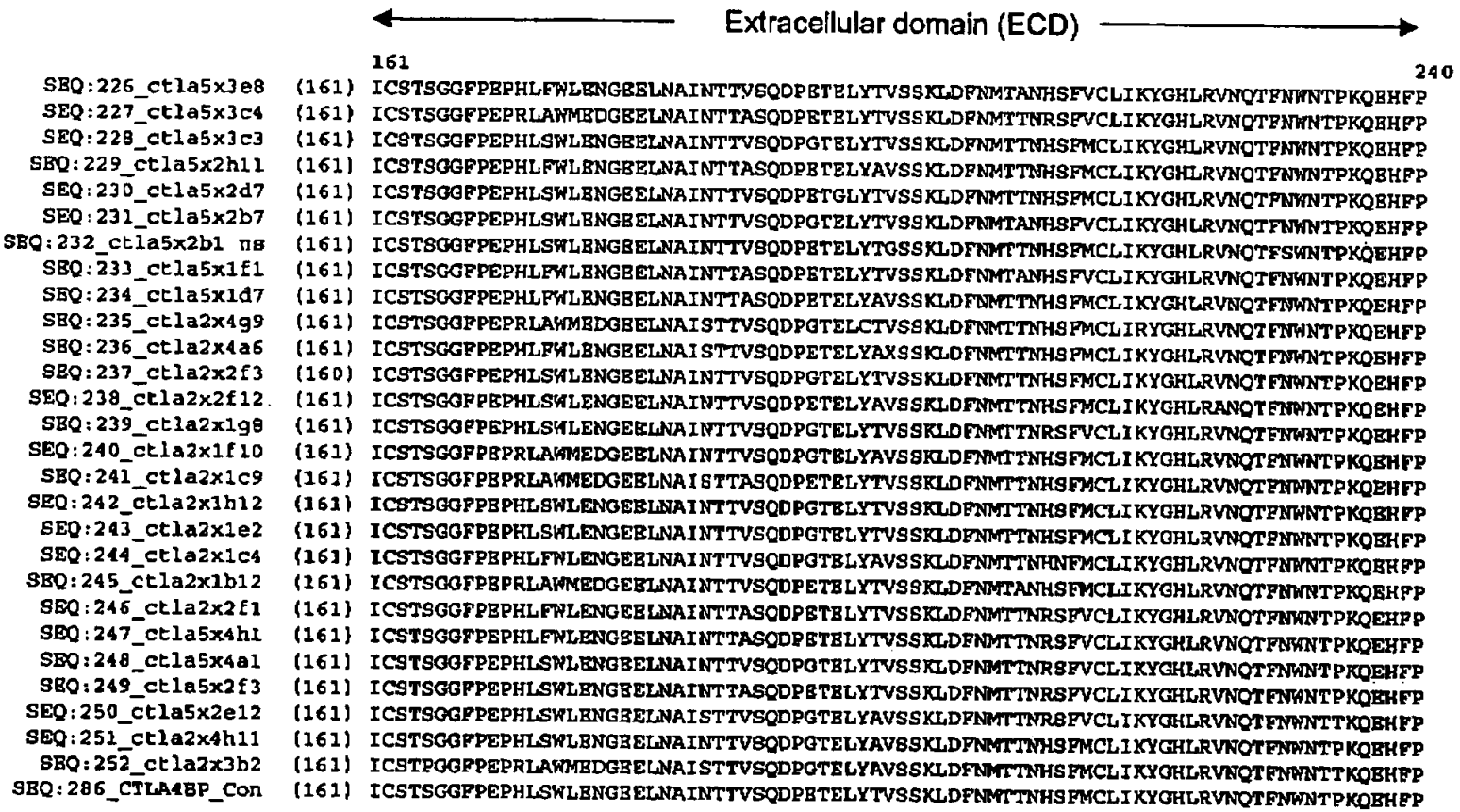

Extracellular domain (ECD)
161
240
SEQ:226_ctla5x3e8 (161) ICSTSGGFPEPHLFWLENGEELNAINTTVSQDPETELYTVSSKLDFNMTANHSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:227_ctla5x3c4 (161) ICSTSGGFPEPRLAWMEDGEELNAINTTASQDPETELYTVSSKLDFNMTTNRSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:228_ctla5x3c3 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPGTELYTVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:229_ctla5x2h11 (161) ICSTSGGFPEPHLFWLENGEELNAINTTASQDPETELYAVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:230_ctla5x2d7 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETGLYTVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:231_ctla5x2b7 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPGTELYTVSSKLDFNMTANHSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:232_ctla5x2b1 ns (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYTGSSKLDFNMTTNHSFMCLIKYGHLRVNQTFSWNTPKQEHFP
SEQ:233_ctla5x1f1 (161) ICSTSGGFPEPHLFWLENGEELNAINTTASQDPETELYTVSSKLDFNMTANHSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:234_ctla5x1d7 (161) ICSTSGGFPEPHLPWLENGEELNAINTTASQDPETELYAVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:235_ctla2x4g9 (161) ICSTSGGFPEPRLAWMEDGEELNAISTTVSQDPGTELCTVSSKLDFNMTTNHSFMCLIRYGHLRVNQTFNWNTPKQEHFP
SEQ:236_ctla2x4a6 (161) ICSTSGGFPEPHLFWLENGEELNAISTTVSQDPETELYAXSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:237_ctla2x2f3 (160) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPGTELYTVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:238_ctla2x2f12 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYAVSSKLDFNMTTNHSFMCLIKYGHLRANQTFNWNTPKQEHFP
SEQ:239_ctla2x1g8 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPGTELYTVSSKLDFNMTTNRSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:240_ctla2x1f10 (161) ICSTSGGFPEPRLAWMEDGEELNAINTTVSQDPGTELYAVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:241_ctla2x1c9 (161) ICSTSGGFPEPRLAWMEDGEELNAISTTASQDPETELYTVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:242_ctla2x1h12 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPGTELYTVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:243_ctla2x1e2 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPGTELYTVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:244_ctla2x1c4 (161) ICSTSGGFPEPHLFWLENGEELNAINTTVSQDPGTELYAVSSKLDFNMTTNHNFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:245_ctla2x1b12 (161) ICSTSGGFPEPRLAWMEDGEELNAINTTVSQDPETELYTVSSKLDFNMTANHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:246_ctla2x2f1 (161) ICSTSGGFPEPHLFWLENGEELNAINTTASQDPETELYTVSSKLDFNMTTNRSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:247_ctla5x4h1 (161) ICSTSGGFPEPHLFWLENGEELNAINTTASQDPETELYTVSSKLDFNMTTNRSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:248_ctla5x4a1 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPGTELYTVSSKLDFNMTTNRSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:249_ctla5x2f3 (161) ICSTSGGFPEPHLSWLENGEELNAINTTASQDPETELYTVSSKLDFNMTTNRSFVCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:250_ctla5x2e12 (161) ICSTSGGFPEPHLSWLENGEELNAISTTVSQDPGTELYAVSSKLDFNMTTNRSFVCLIKYGHLRVNQTFNWNTTKQEHFP
SEQ:251_ctla2x4h11 (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPGTELYAVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP
SEQ:252_ctla2x3h2 (161) ICSTPGGFPEPRLAWMEDGEELNAISTTVSQDPGTELYAVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTTKQEHFP
SEQ:286_CTLA4BP_Con (161) ICSTSGGFPEPHLSWLENGEELNAINTTVSQDPETELYTVSSKLDFNMTTNHSFMCLIKYGHLRVNQTFNWNTPKQEHFP

Fig. 3F

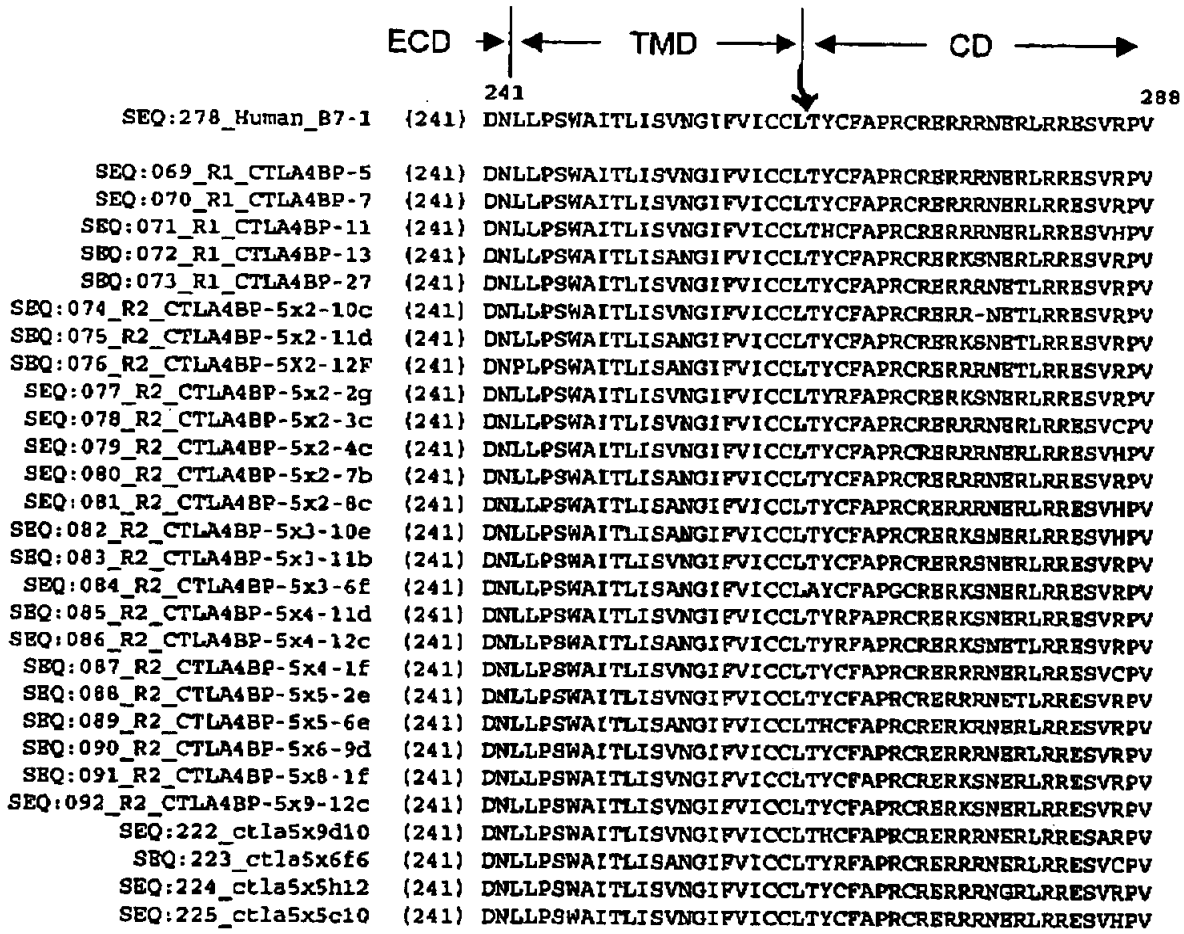


Fig. 3G

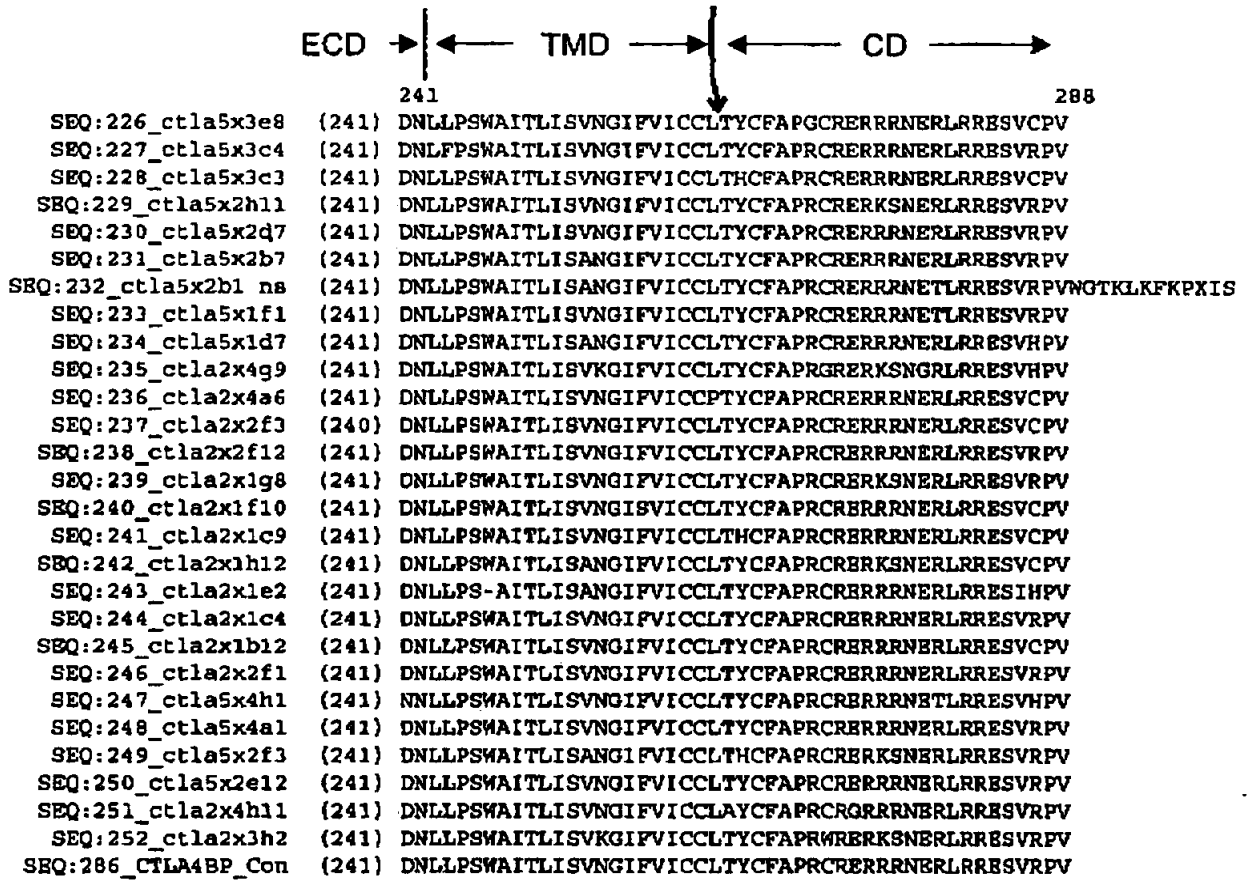


Fig. 3H

Figures 4A-4D

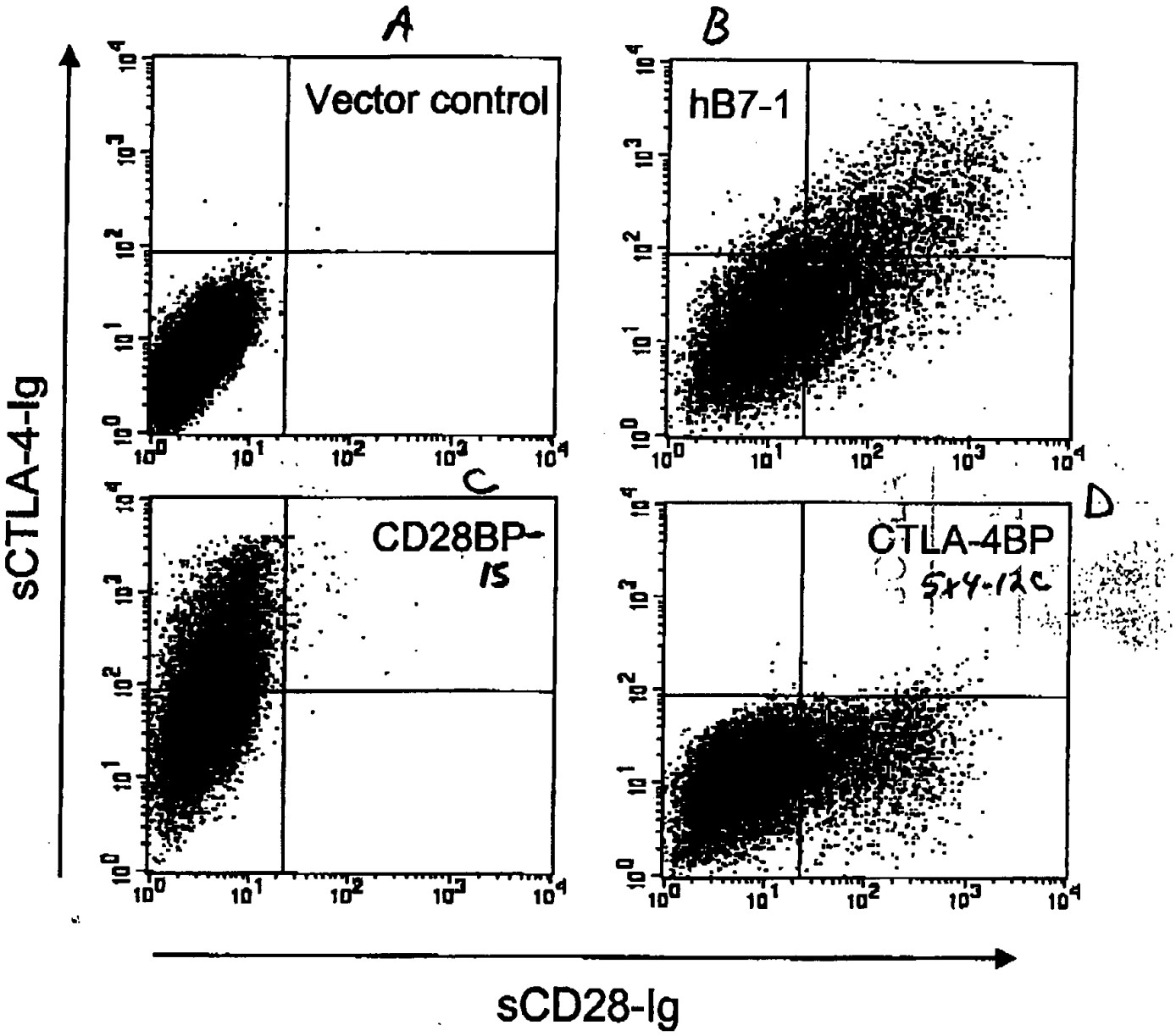
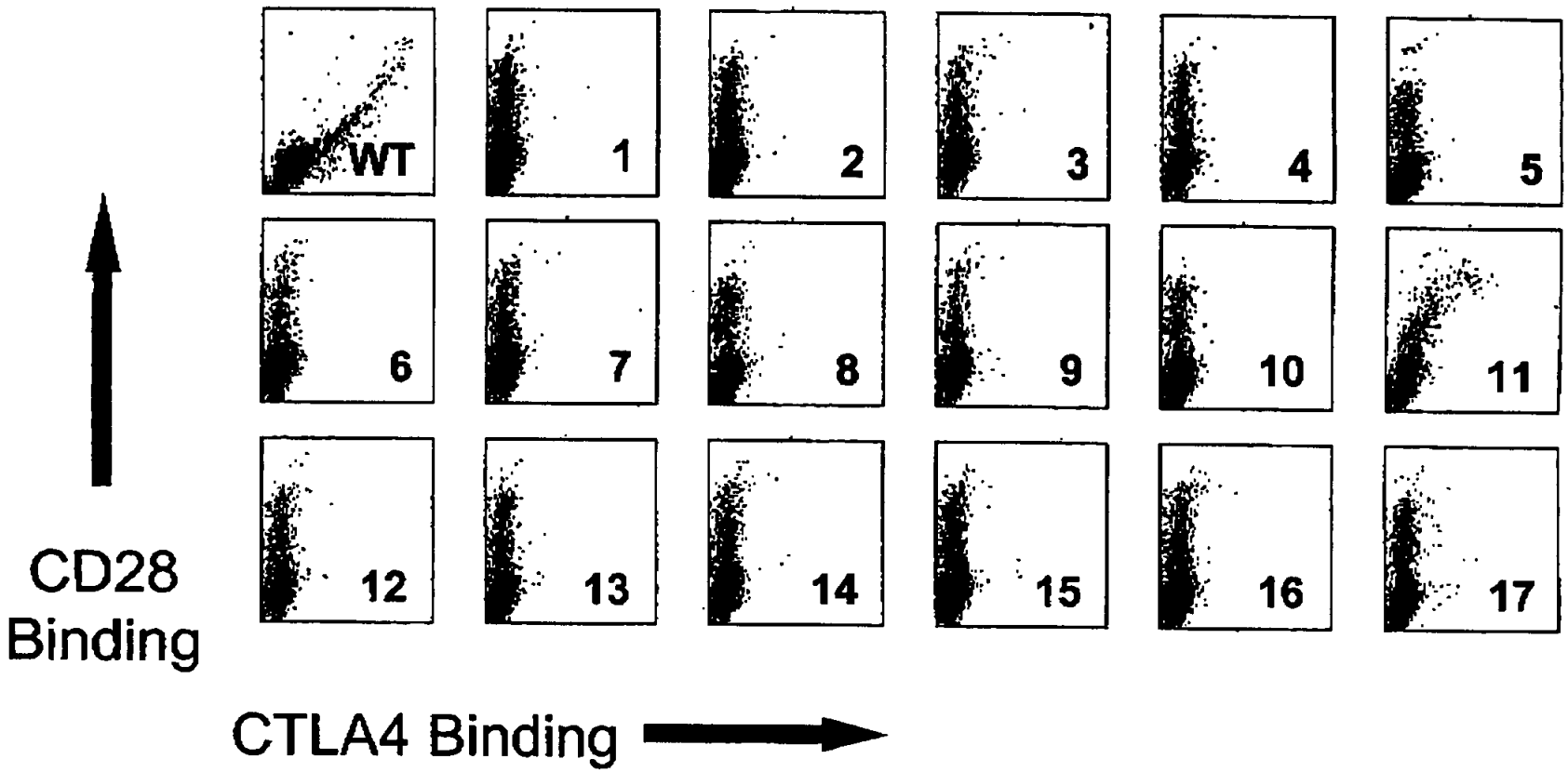
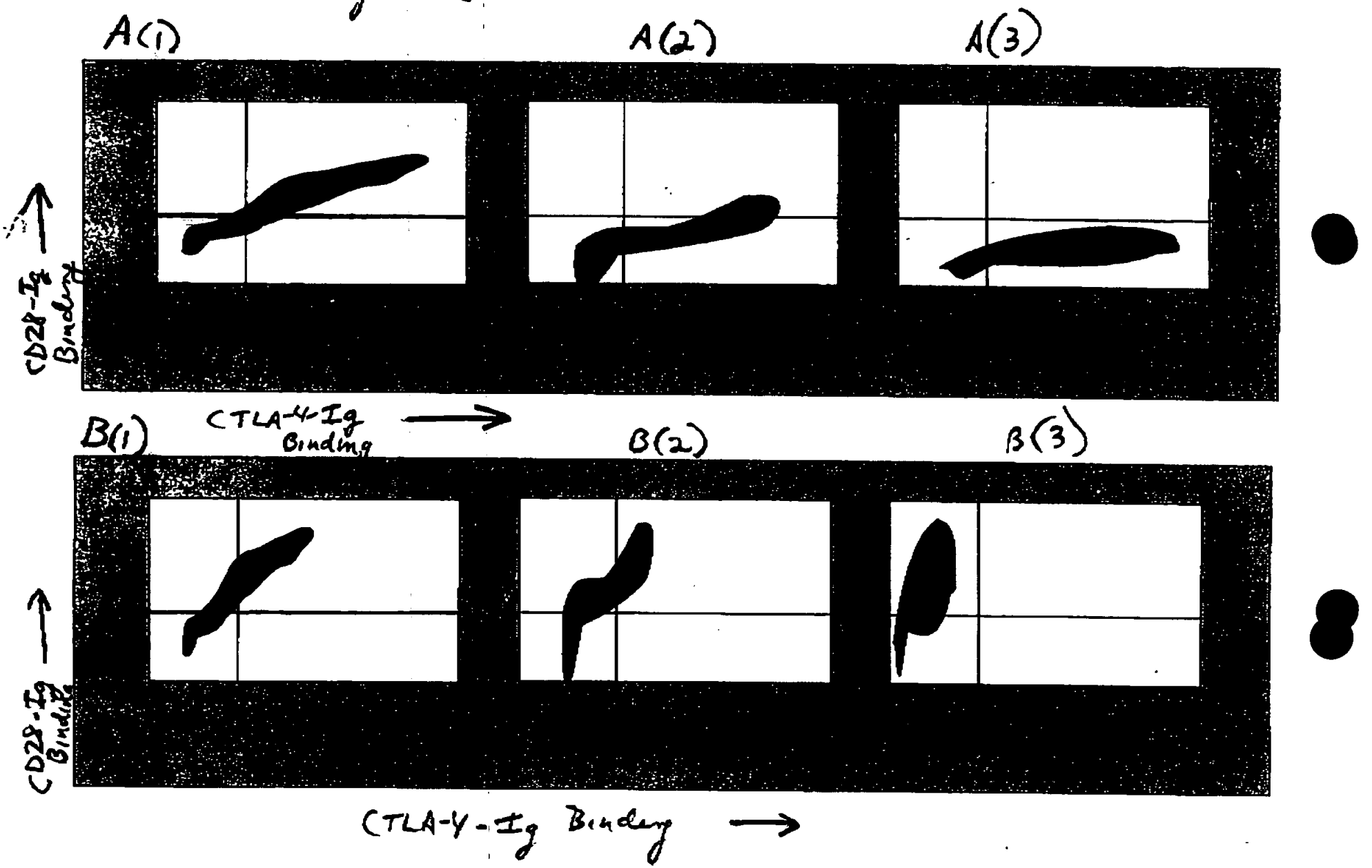


Figure 5

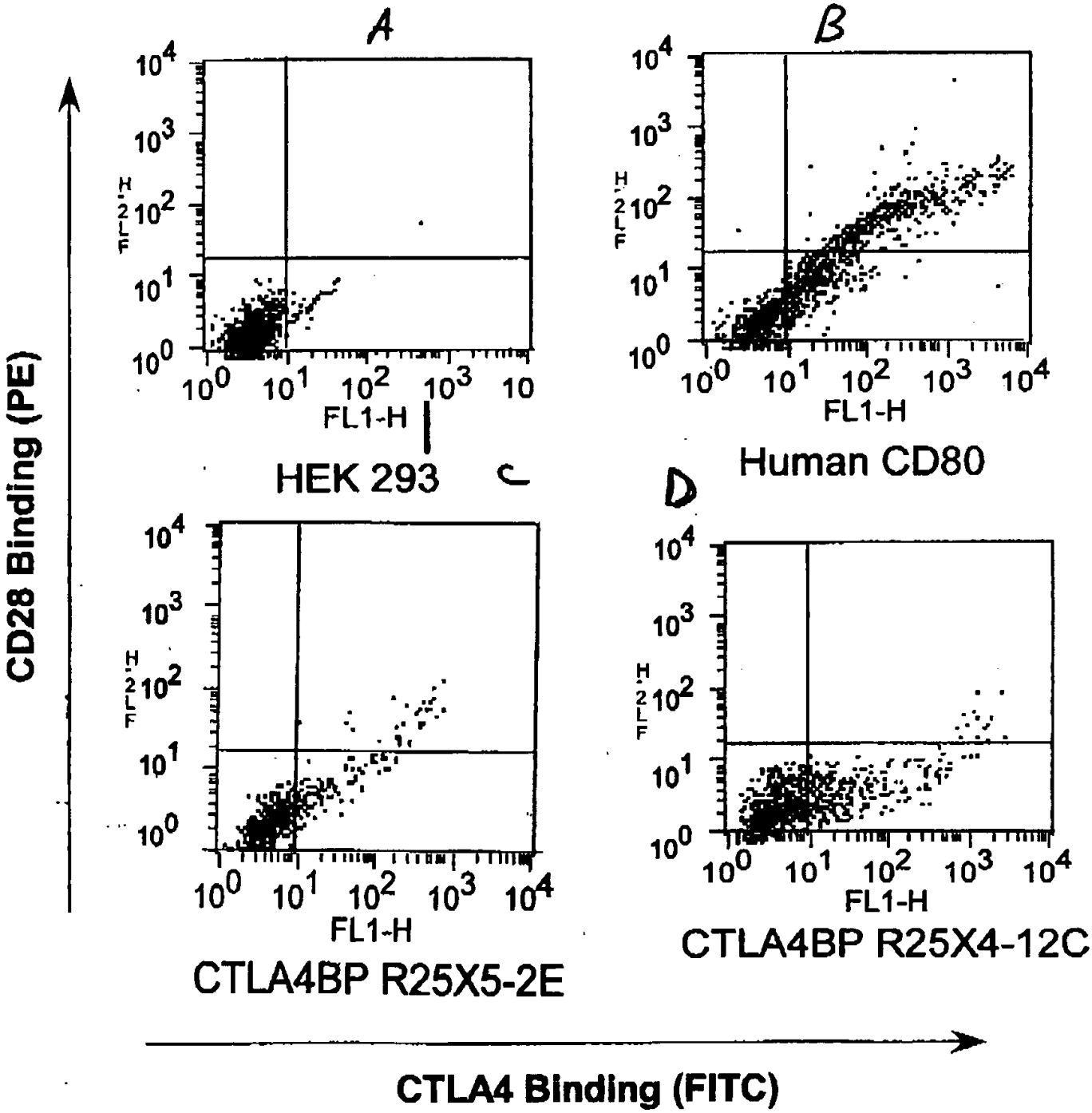
CD28BP after 2nd Round of Shuffling



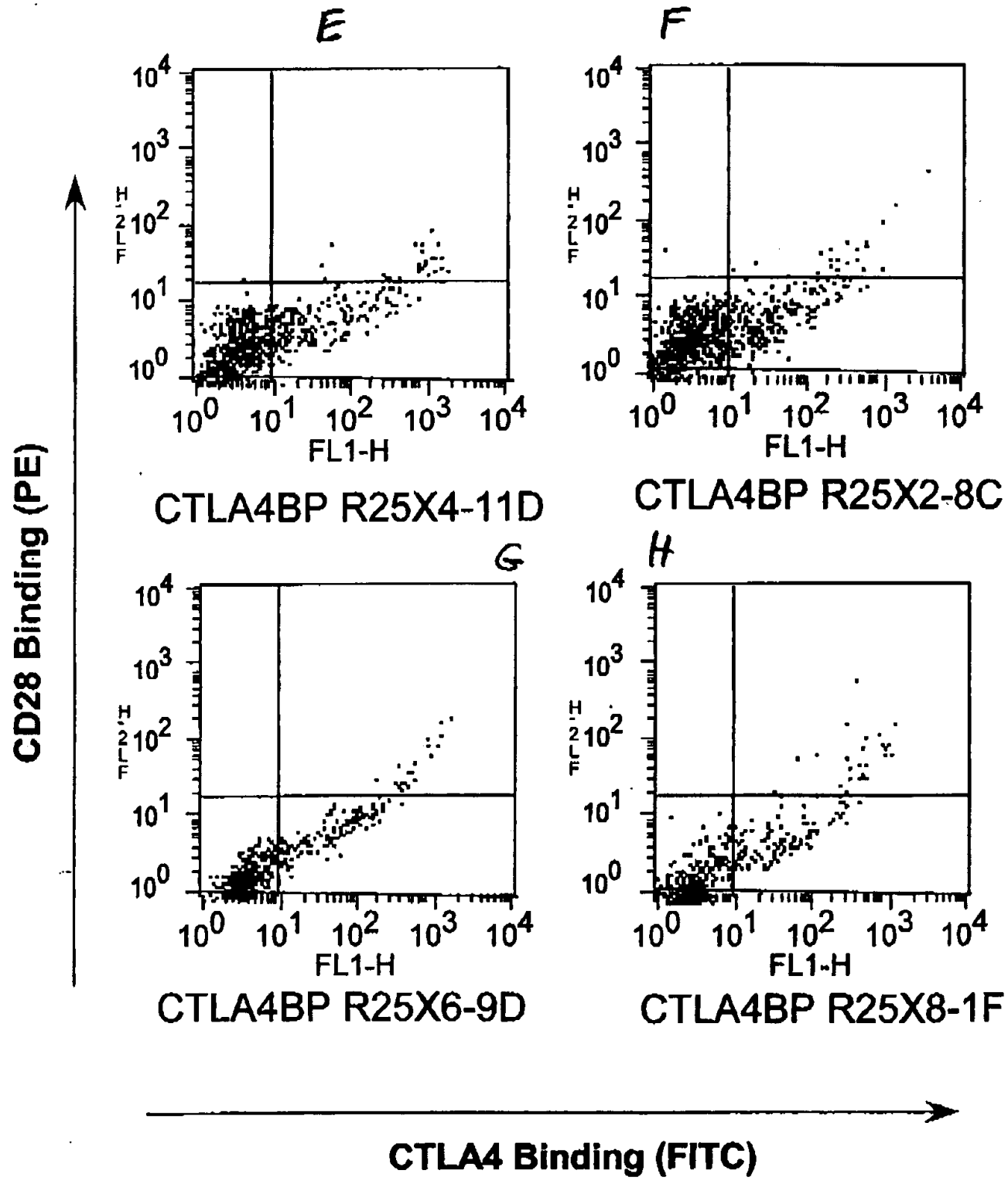
Figures 6A-6B.



Figures 1A-1D

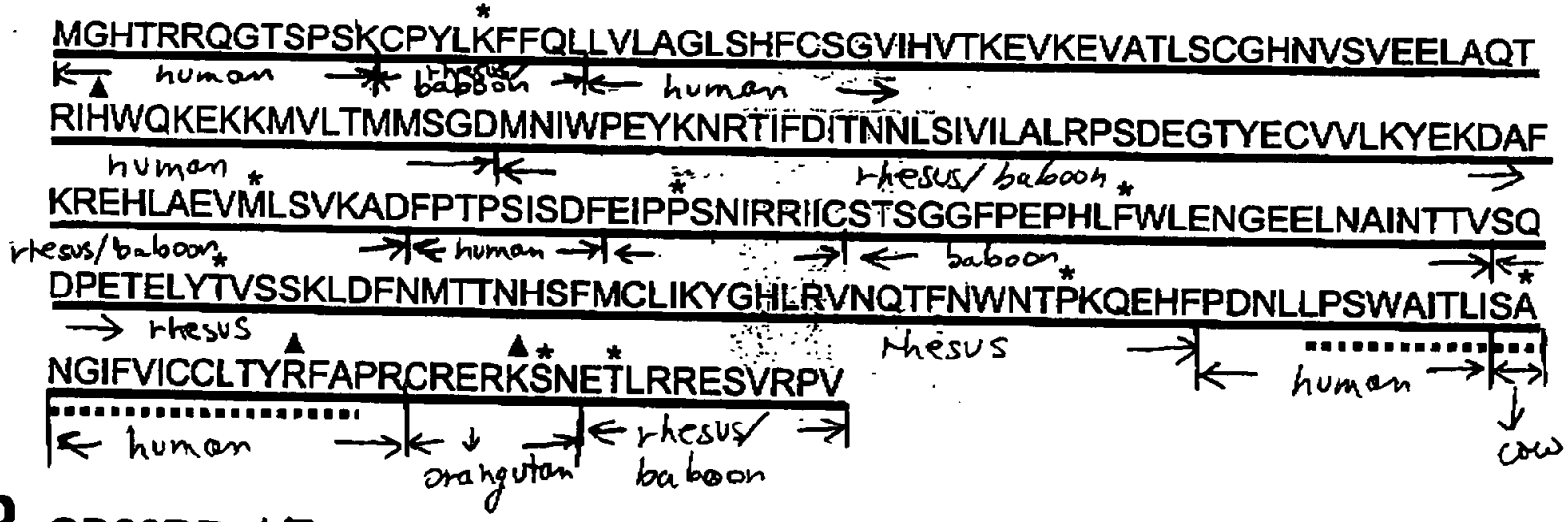


Figures E-7H

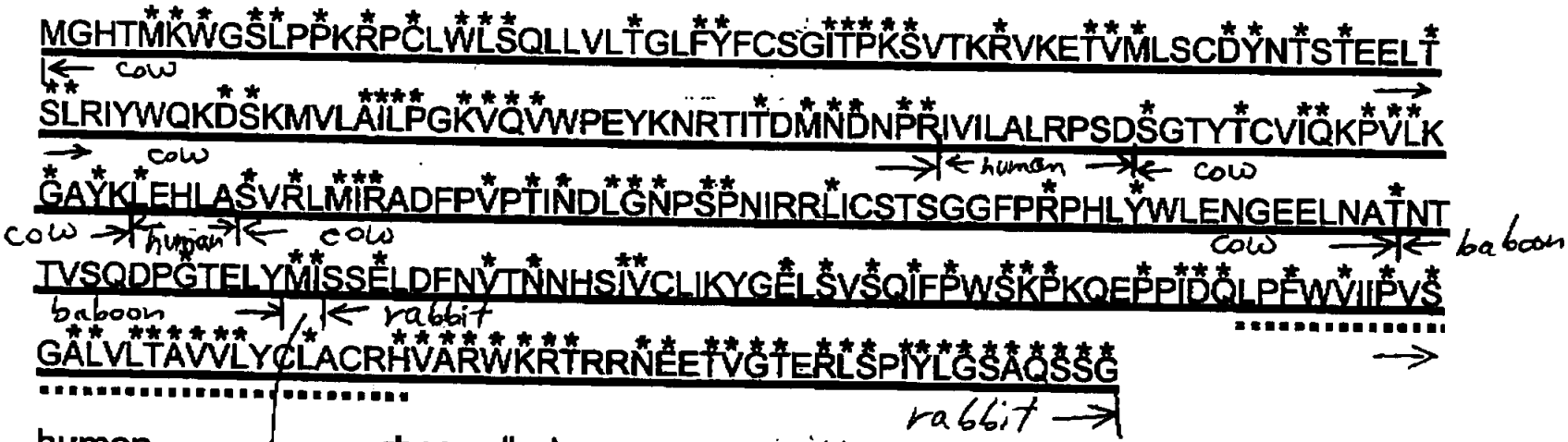

E
F
G
H
FL2-H
FL1-H
10^0 10^1 10^2 10^3 10^4
CTLA4BP R25X4-11D
CTLA4BP R25X2-8C
CTLA4BP R25X6-9D
CTLA4BP R25X8-1F
CD28 Binding (PE)
CTLA4 Binding (FITC)

Figures 8A-8B

a **CTLA-4BP** - 5x4-12c



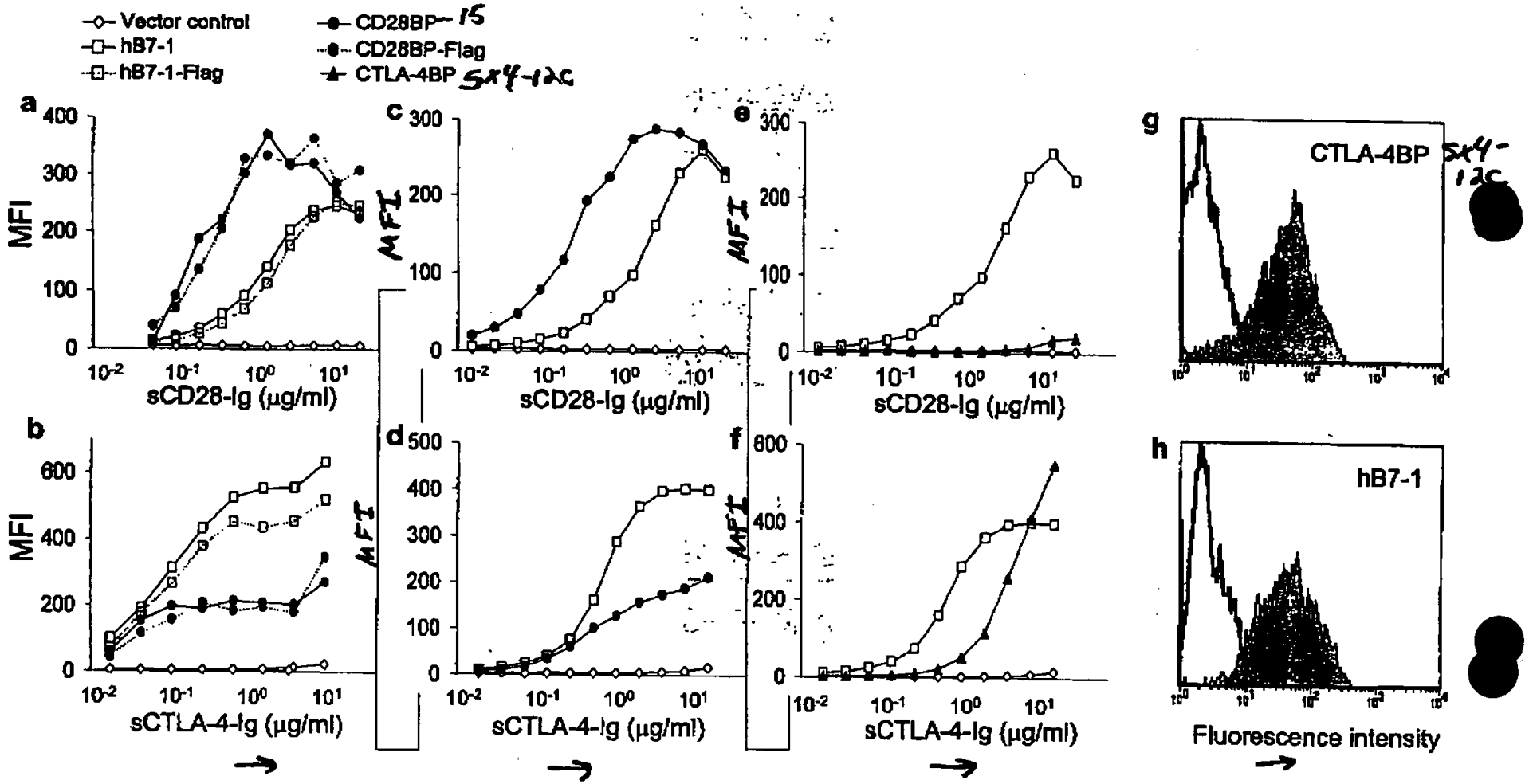
b **CD28BP**-15



human
orangutan
rhesus
baboon

rhesus/baboon
cow
rabbit

cow



Figures 9A-9H

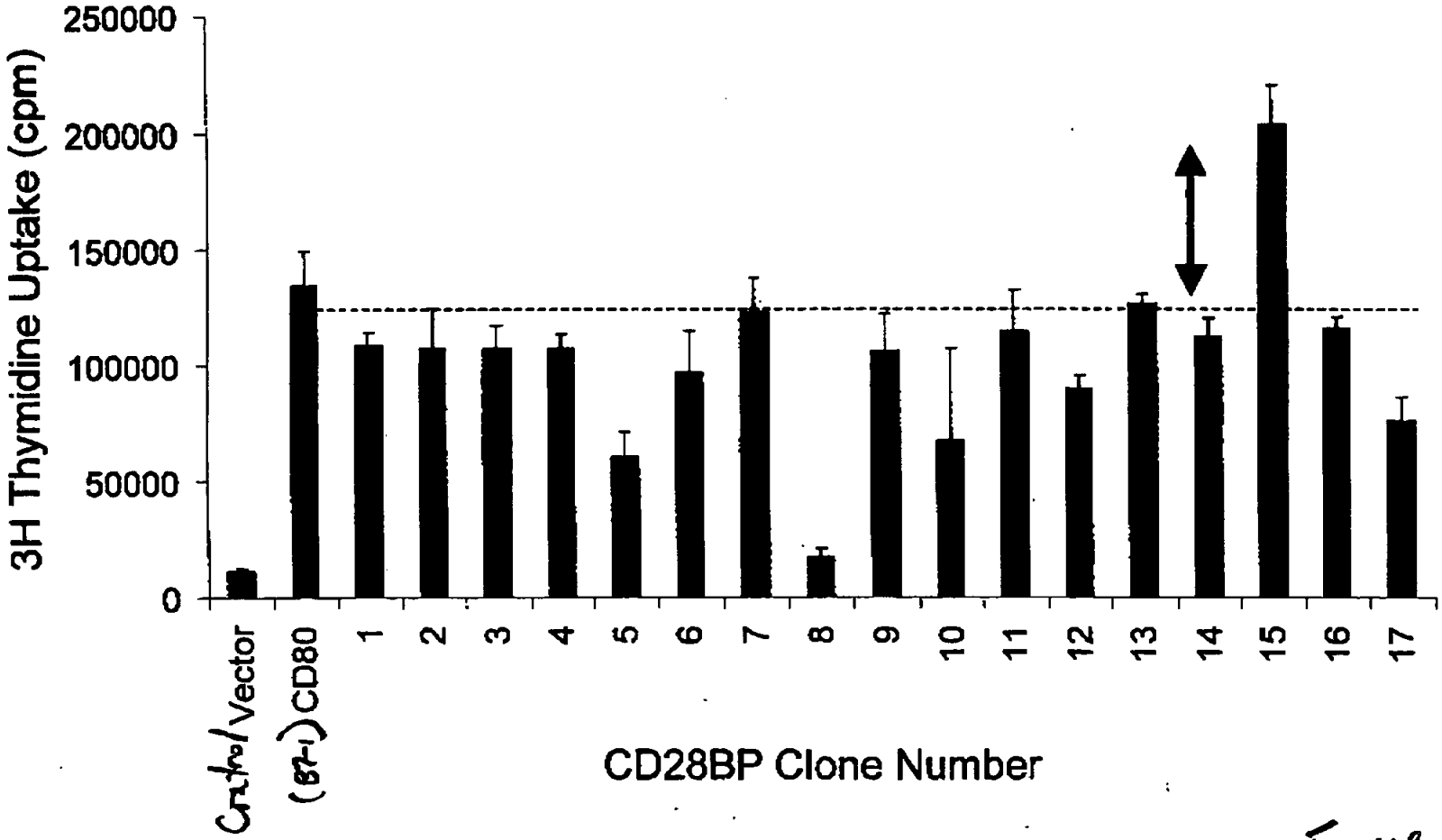


Figure 10

Figures 11A-11C

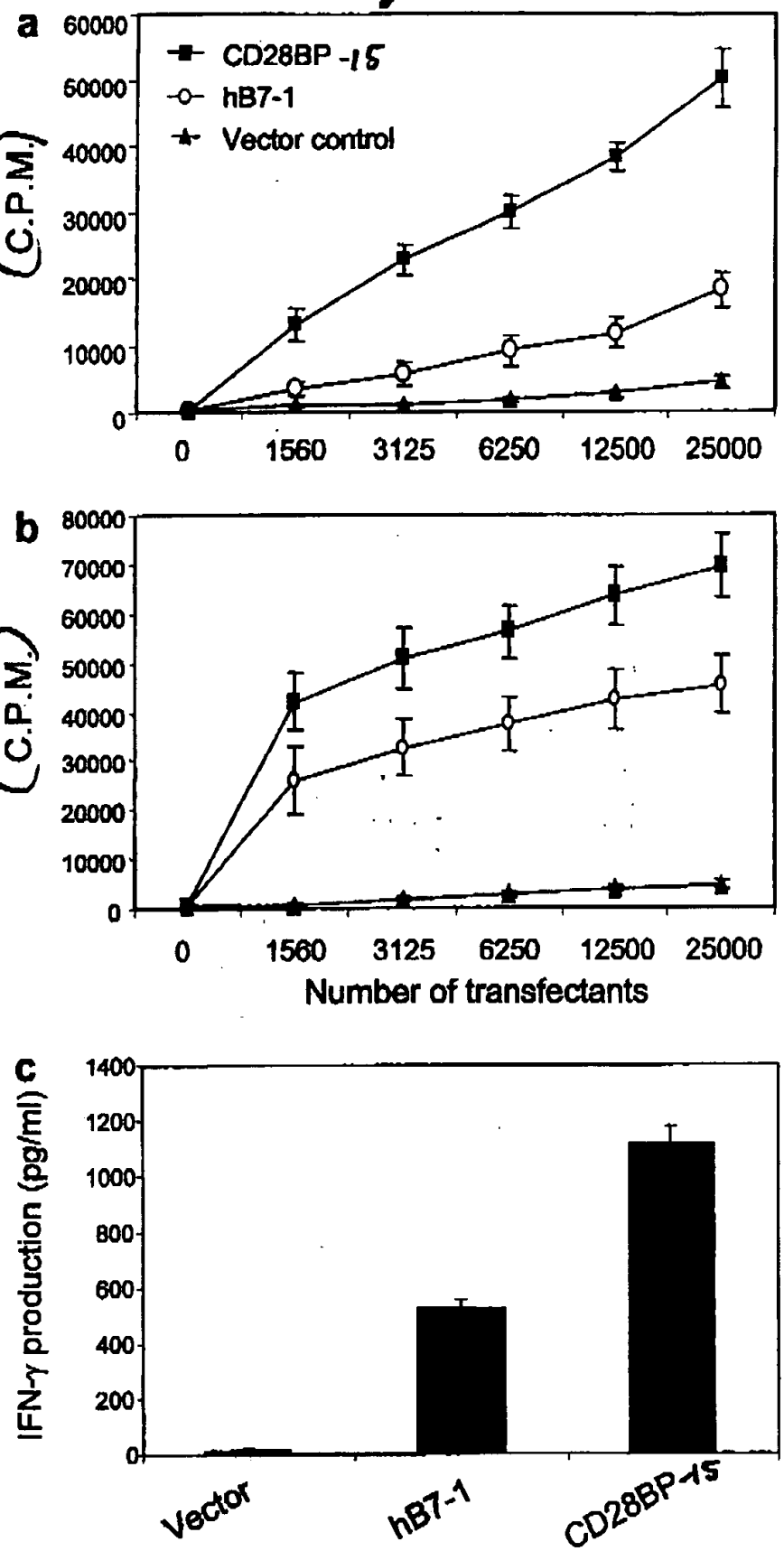
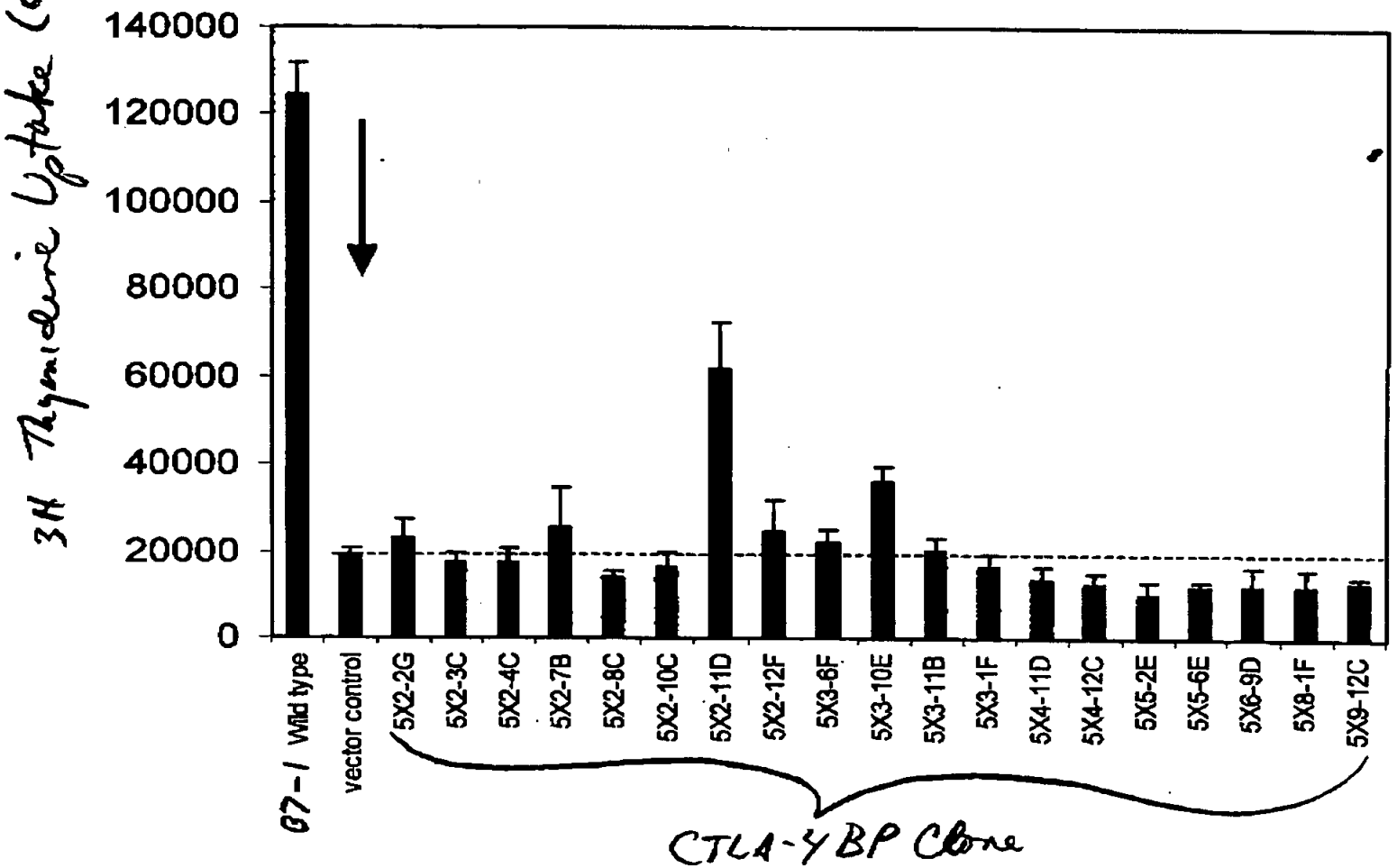
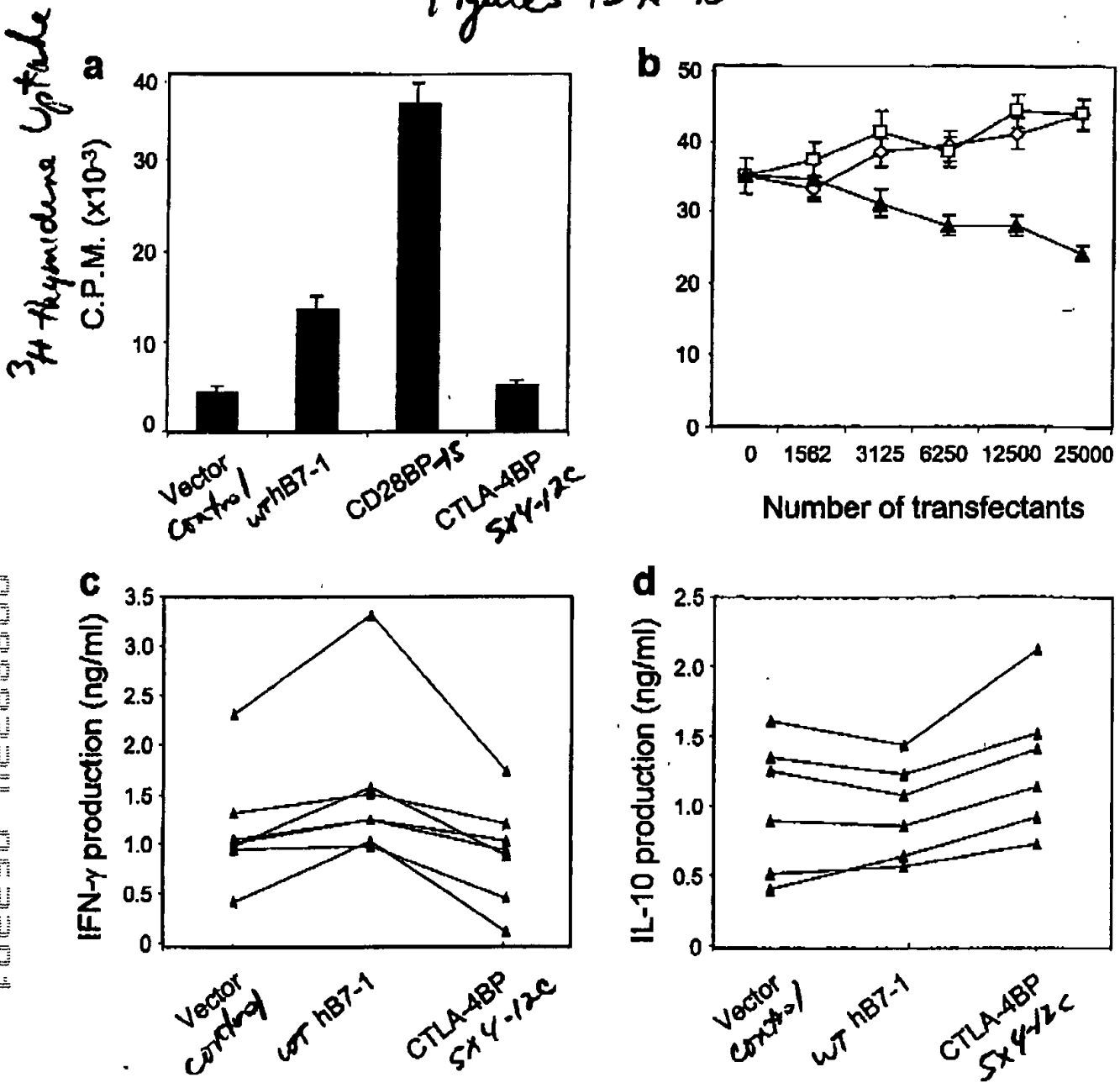


Figure 12

Suppressed T cell Response by CTLA4BP



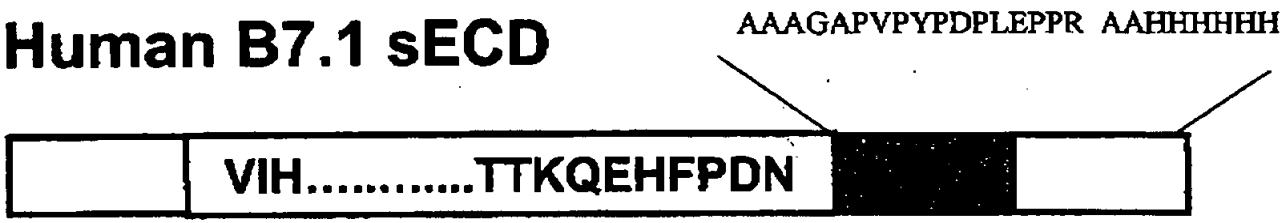
Figures 13A-13D



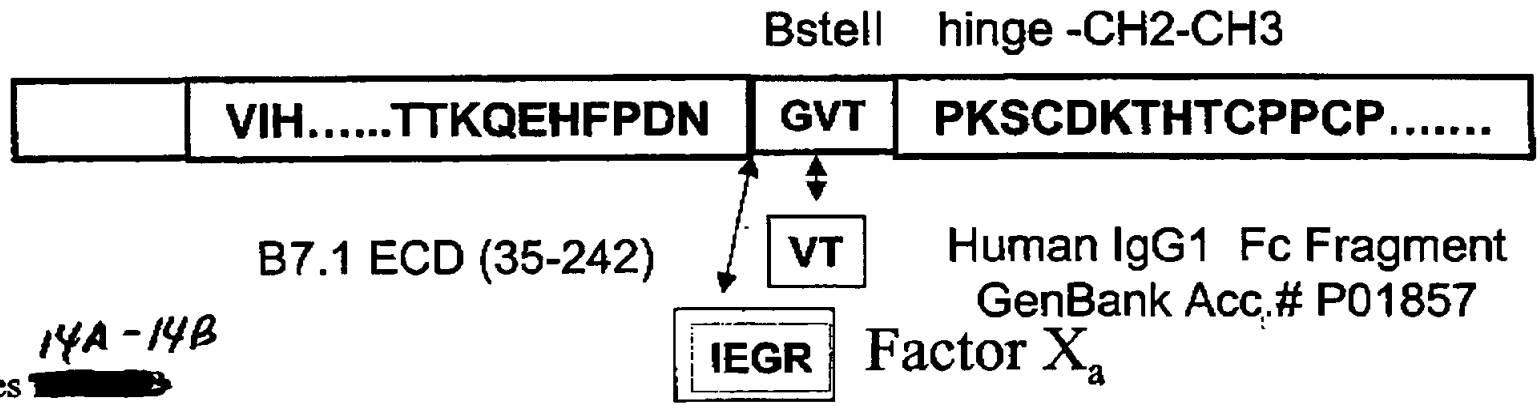
Soluble Forms

A

Human B7.1 sECD



B **Human B7.1 ECD-Ig Form**



Figures 14A - 14B

NCSM-sECD Expression Construct

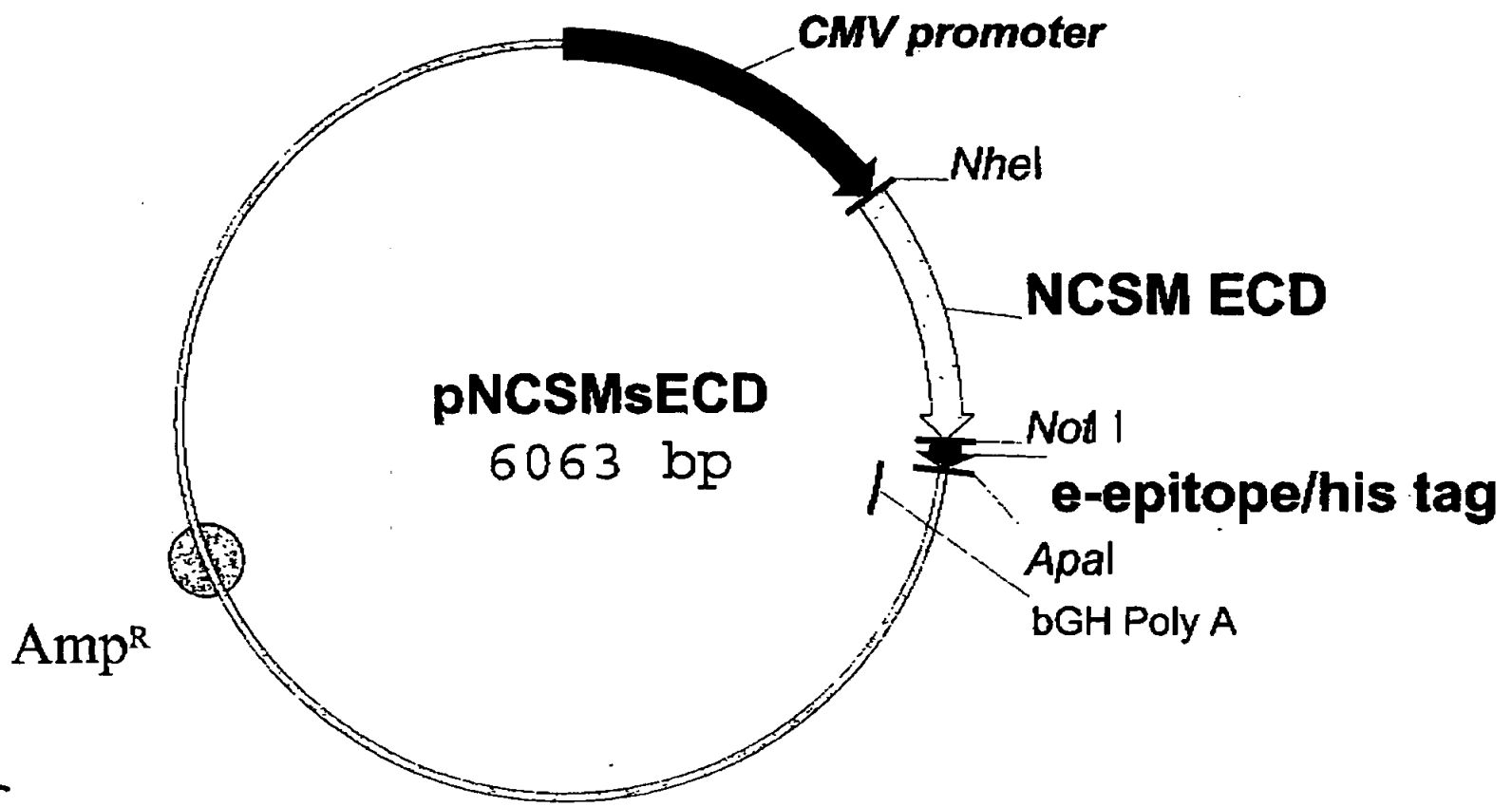


Figure 15

SDS-PAGE showing various soluble forms of wt & NCSM proteins

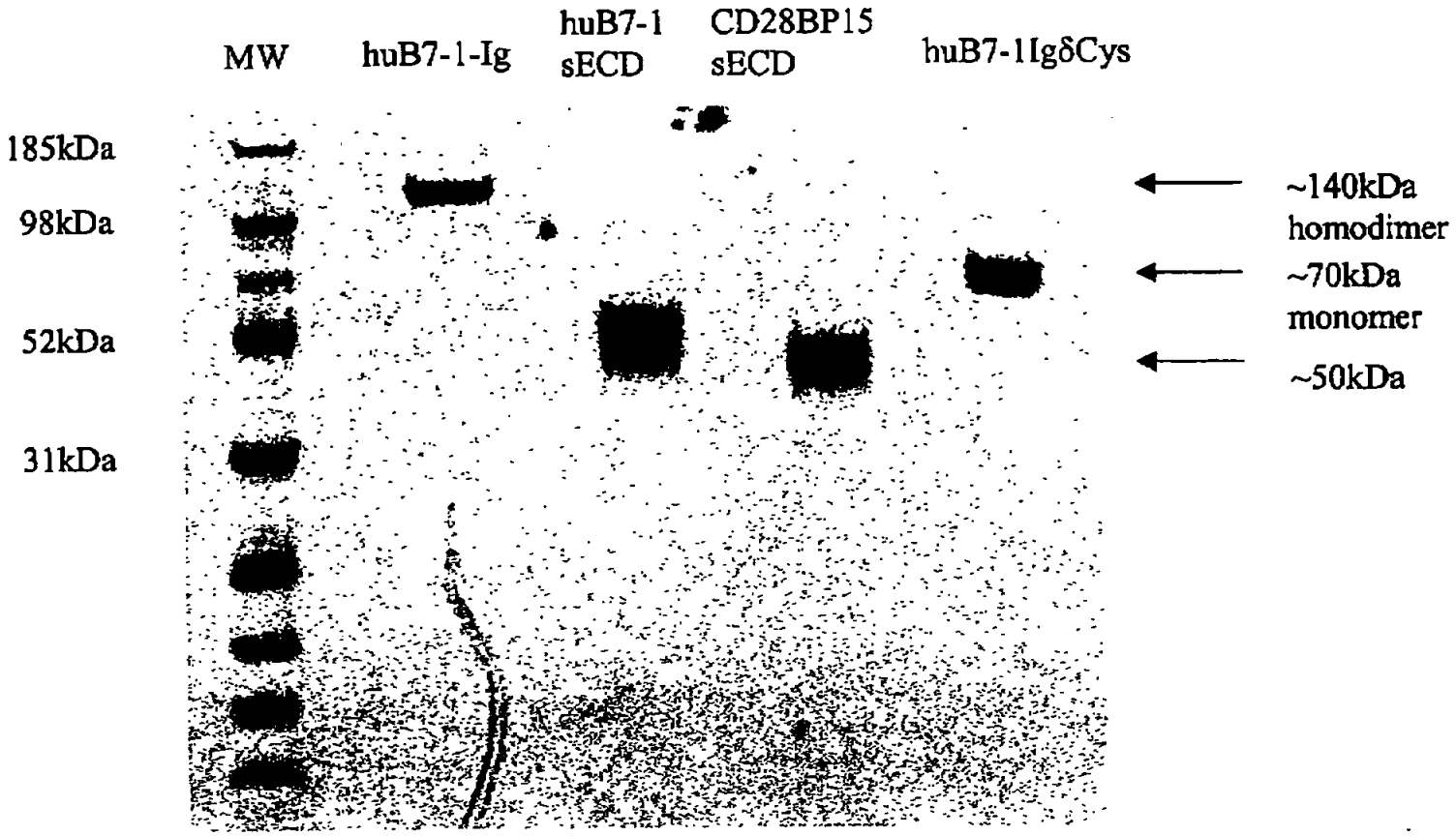


Figure 16

B7-1-ECD-Ig Fusion Expression Construct

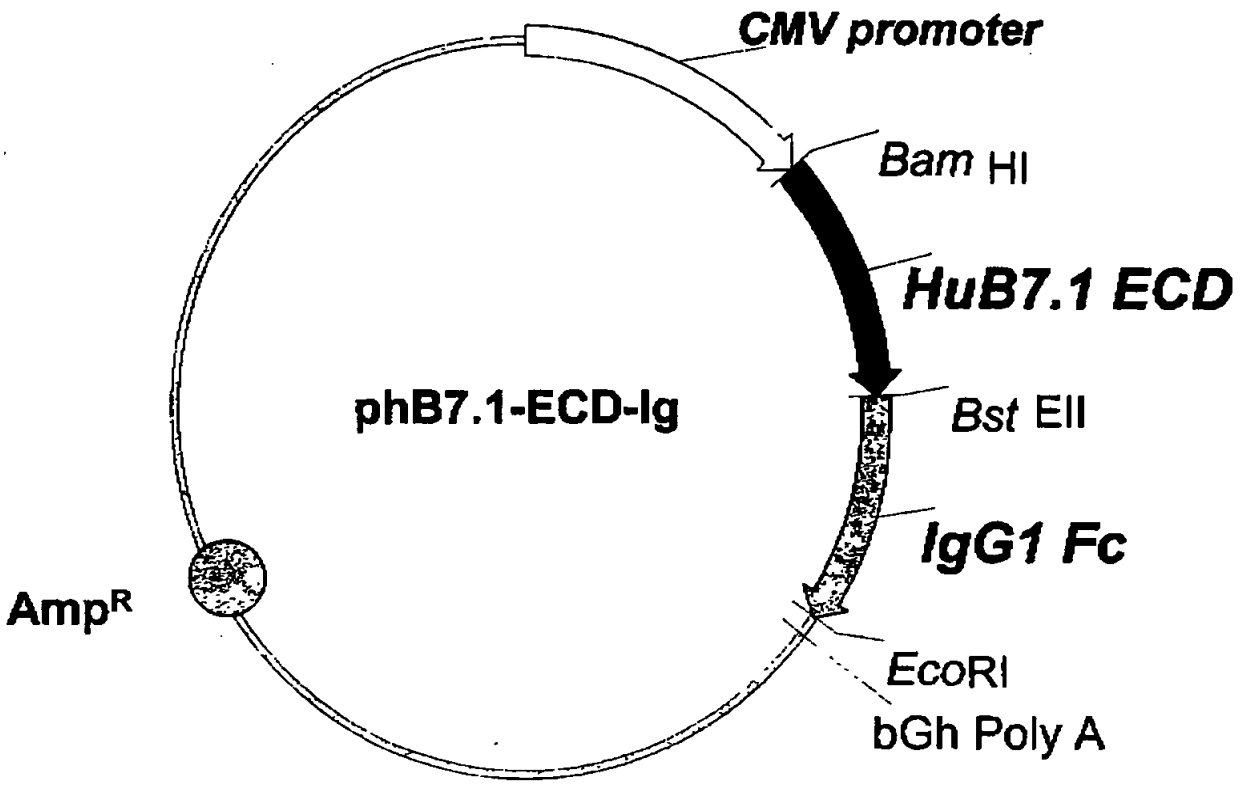


Figure 17

Scale-up Production of wild-type soluble Human B7.1-, CTLA4BP 5X4-12C-, and CD28BP-15 ECD-Ig Fusion Proteins

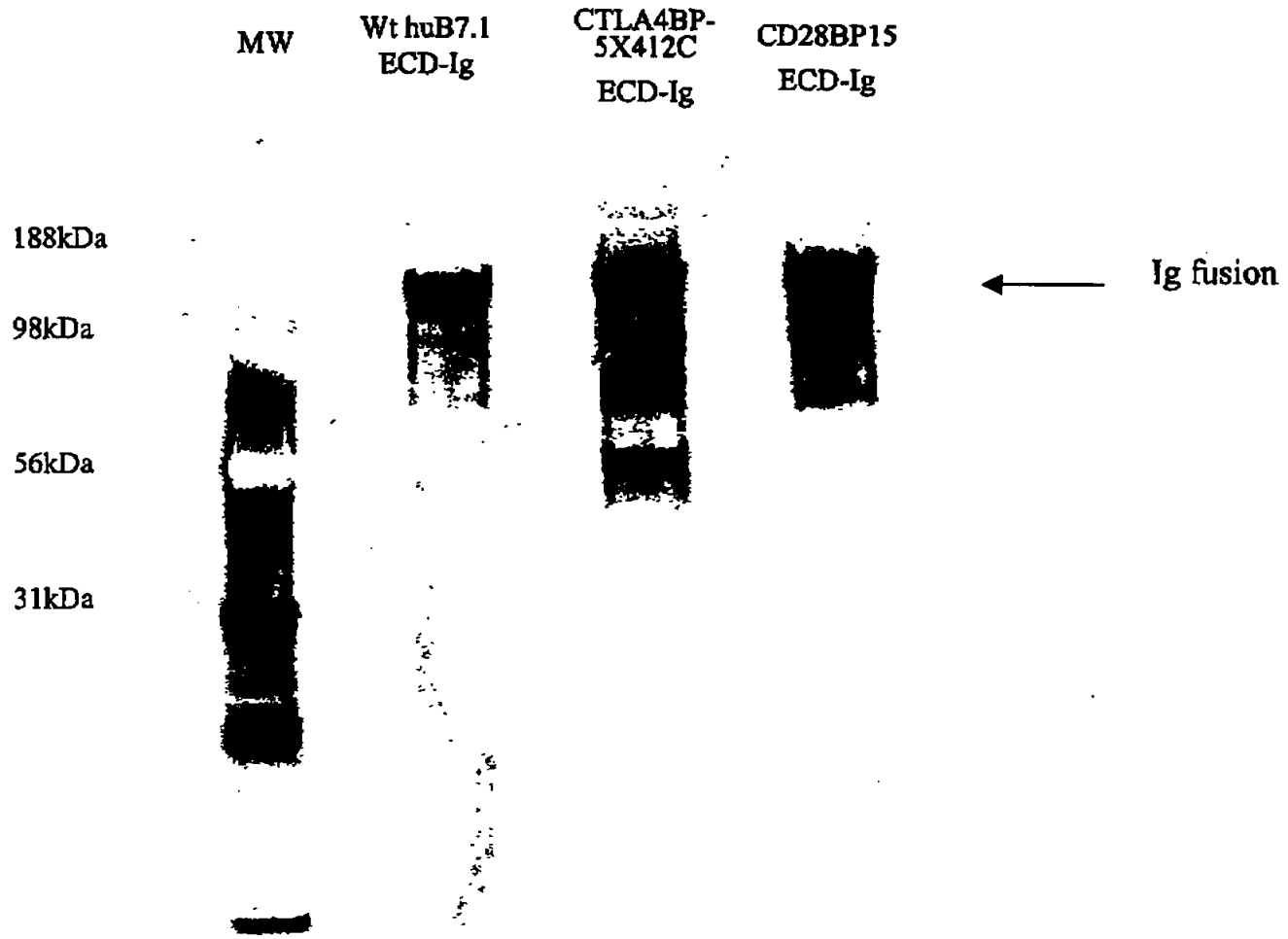


Figure 18

Expression of CTLA-4-BP-Ig and CD28-BP-Ig Proteins

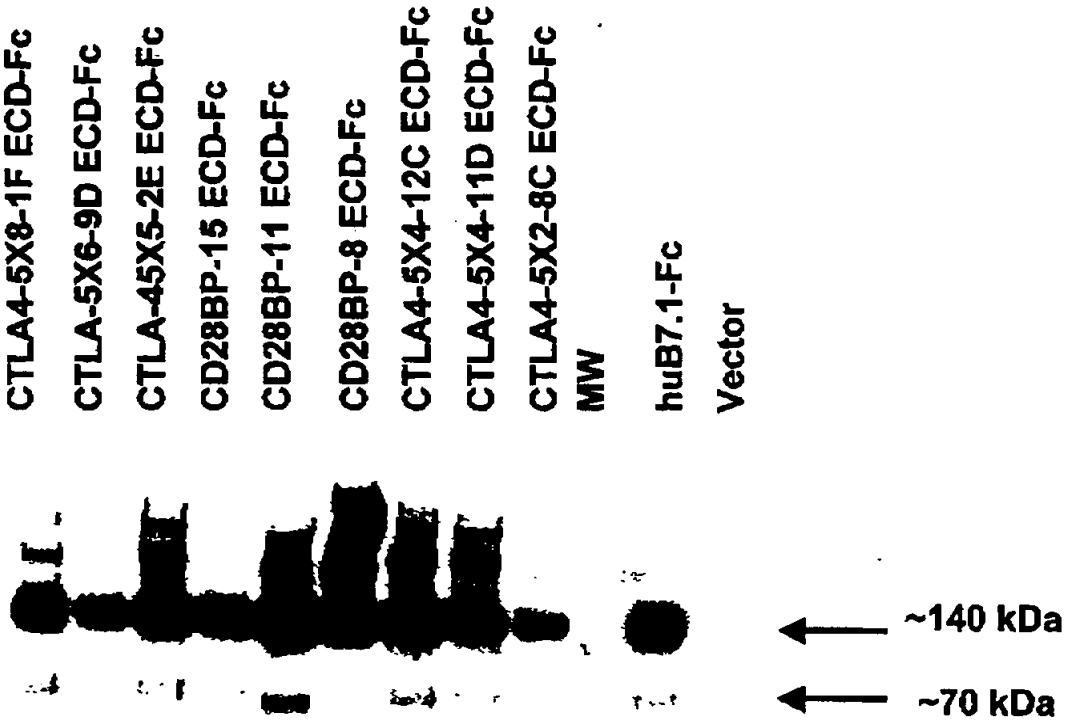
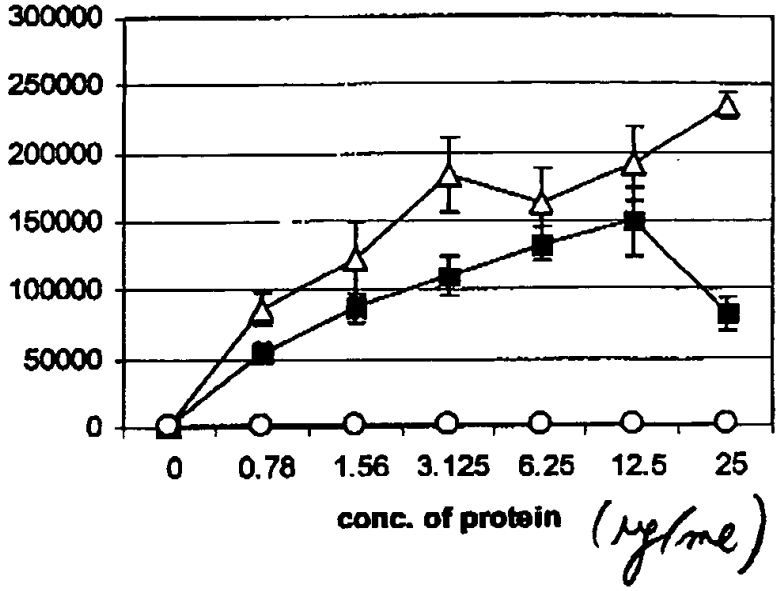


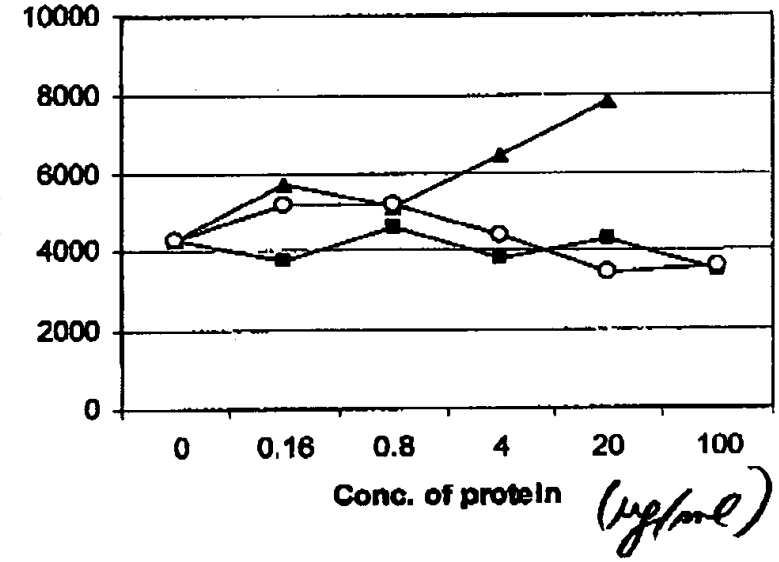
Figure 9

Figures 20A - 20C

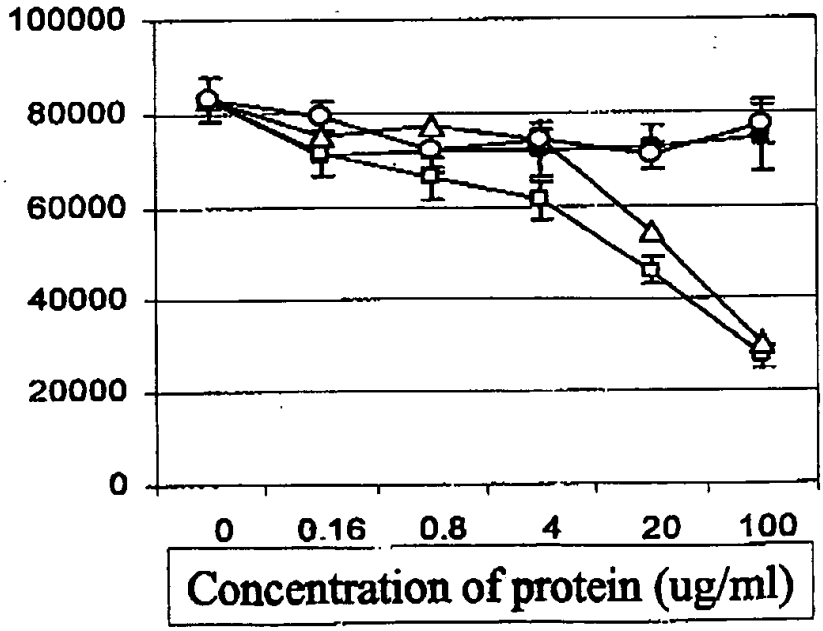
(a) ^3H Thymidine Uptake



(b) ^3H Thymidine Uptake



(c) ^3H Thymidine Uptake



(d)

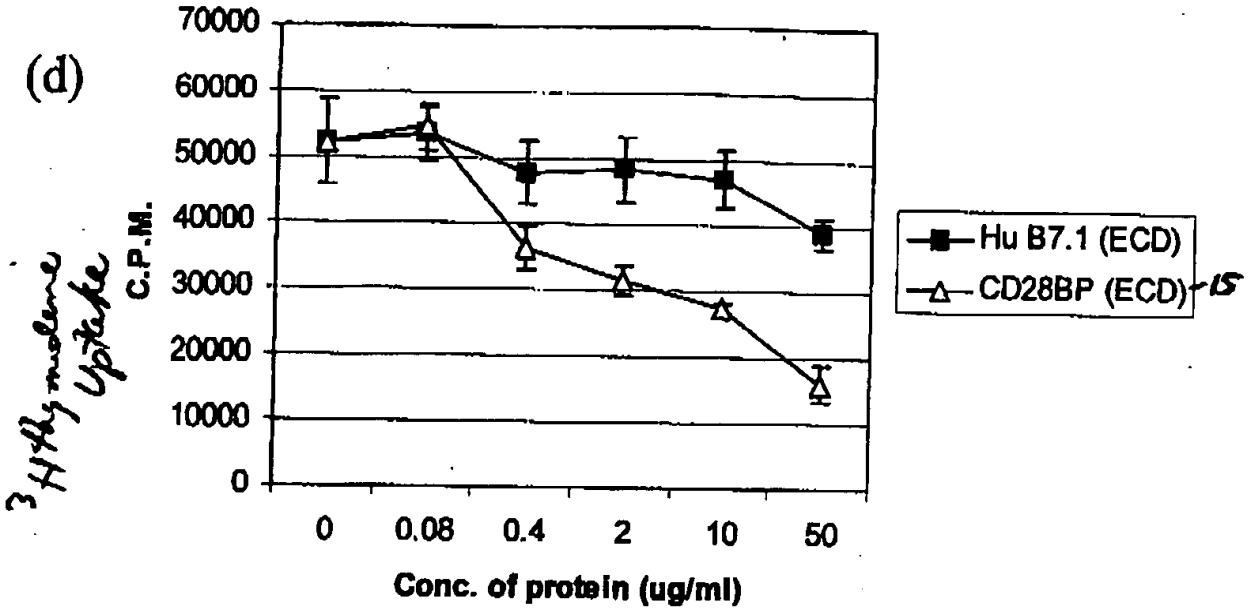
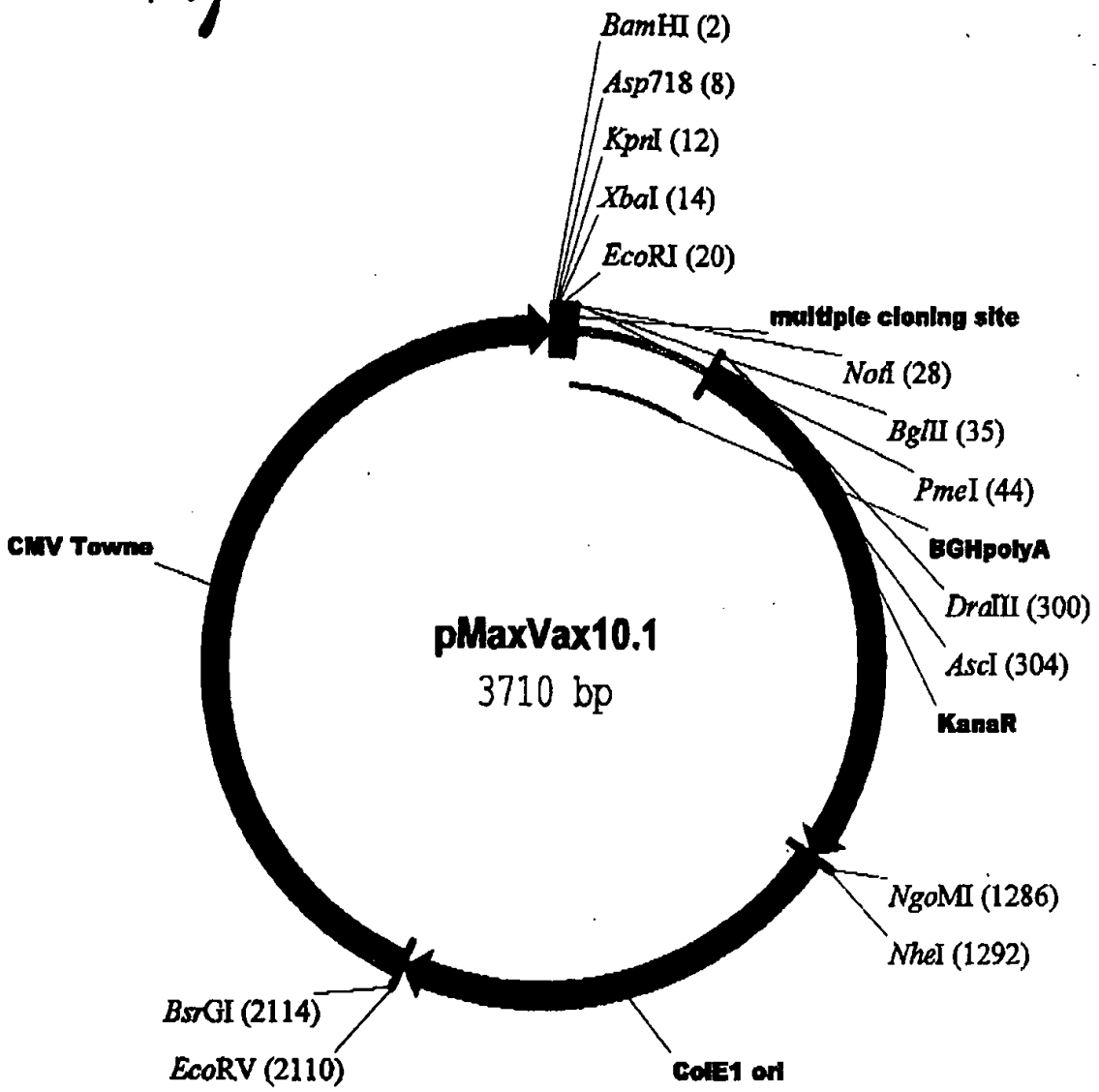

70000
60000
50000
40000
30000
20000
10000
0
C.P.M.
3H-thymidine Uptake
0
0.08
0.4
2
10
50
Conc. of protein (ug/ml)
Hu B7.1 (ECD)
CD28BP (ECD)

Figure 20D

Figure 21



Figures 22A-22B